

表4.15寒證氣喘組比對熱證氣喘組經t-test檢定後有顯著差異的表達基因共137個

| 編號 | Gene Name | Accession Number | P值 |
|----|--|------------------|---------|
| 1 | Homo sapiens cDNA: FLJ22733 fis, clone HSI15907 | AK026386 | 0.00034 |
| 2 | semaphorin sem2 | NM_020163 | 0.00041 |
| 3 | BCL2-related protein A1 | Y09397 | 0.00089 |
| 4 | Homo sapiens cDNA: FLJ20888 fis, clone ADKA03289 | AK024541 | 0.00105 |
| 5 | aspartate beta-hydroxylase | NM_032466 | 0.00154 |
| 6 | HSPC035 protein | NM_016127 | 0.00202 |
| 7 | potassium voltage-gated channel, Shab-related subfamily, member 2 | U69962 | 0.00230 |
| 8 | CD69 antigen (p60, early T-cell activation antigen) | Z22576 | 0.00271 |
| 9 | Homo sapiens, clone MGC:17515 IMAGE:3457488, mRNA, complete cds | BC010538 | 0.00328 |
| 10 | spermidine/spermine N1-acetyltransferase | NM_002970 | 0.00369 |
| 11 | Human XIST, coding sequence | X56199 | 0.00373 |
| 12 | basic leucine zipper transcription factor, ATF-like | AF016898 | 0.00376 |
| 13 | to HYPOTHETICAL 26.6 KD PROTEIN T19C3.4 IN CHROMOSOME III | AK023172 | 0.00419 |
| 14 | hypothetical protein 23851 | AF035313 | 0.00421 |
| 15 | chromosome-associated polypeptide C | AL136877 | 0.00500 |
| 16 | H.sapiens DNA for oestrogen receptor gene promoter | X63118 | 0.00635 |
| 17 | Homo sapiens mRNA; cDNA DKFZp566P2346 (from clone DKFZp566P2346) | AL110257 | 0.00709 |
| 18 | Homo sapiens cDNA: FLJ23414 fis, clone HEP20704 | AK027067 | 0.00729 |
| 19 | Homo sapiens cDNA FLJ11682 fis, clone HEMBA1004880 | AK021744 | 0.00818 |
| 20 | PTK2 protein tyrosine kinase 2 | L13616 | 0.00889 |
| 21 | hypothetical protein FLJ10897 | AK024435 | 0.01021 |
| 22 | Homo sapiens cDNA FLJ14321 fis, clone PLACE3000475 | AK024383 | 0.01041 |
| 23 | olfactory receptor, family 1, subfamily I, member 1 | AK023573 | 0.01107 |
| 24 | membrane-spanning 4-domains, subfamily A, member 1 | M89796 | 0.01108 |
| 25 | nuclear receptor subfamily 2, group C, member 1 | NM_003297 | 0.01109 |
| 26 | Homo sapiens cDNA: FLJ21107 fis, clone CAS05192 | AK022451 | 0.01136 |
| 27 | neurogenic differentiation 2 | AB021742 | 0.01217 |
| 28 | protein tyrosine phosphatase type IVA, member 3 | AF041434 | 0.01279 |
| 29 | Homo sapiens mRNA; cDNA DKFZp434I143 (from clone DKFZp434I143) | AL080135 | 0.01306 |
| 30 | uncharacterized bone marrow protein BM039 | AK023669 | 0.01318 |
| 31 | KIAA1043 protein Homo sapiens, Similar to CG14544 gene product, clone MGC:19826 | AL033538 | 0.01415 |
| 32 | IMAGE:3960186, mRNA, complete cds | BC010167 | 0.01427 |
| 33 | Homo sapiens mRNA; cDNA DKFZp547C146 (from clone DKFZp547C146) | AL359947 | 0.01450 |
| 34 | hypothetical protein FLJ14623 | NM_032812 | 0.01473 |
| 35 | CHMP1.5 protein | NM_020412 | 0.01505 |
| 36 | jun B proto-oncogene | X51345 | 0.01522 |
| 37 | Homo sapiens, clone IMAGE:4299322, mRNA, partial cds | BC007910 | 0.01526 |
| 38 | HSPC171 protein | NM_014187 | 0.01593 |
| 39 | cytokine-inducible kinase | AJ293866 | 0.01595 |

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| 40 | putative lymphocyte G0/G1 switch gene | M69199 | 0.01603 |
| 41 | PRO0214 protein | NM_014120 | 0.01637 |
| 42 | Homo sapiens cDNA FLJ12368 fis, clone MAMMA1002417 | AK022430 | 0.01669 |
| 43 | Homo sapiens mRNA full length insert cDNA clone EUROIMAGE 44260 | AL355708 | 0.01700 |
| 44 | centaurin-alpha | AF082324 | 0.01767 |
| 45 | core-binding factor, runt domain, alpha subunit 2; translocated to, 3 | NM_005187 | 0.01805 |
| 46 | hypothetical protein | NM_015932 | 0.01818 |
| 47 | hypothetical protein MGC15882 | NM_032884 | 0.01824 |
| 48 | chemokine (C-X-C motif), receptor 4 (fusin) | AF147204 | 0.01875 |
| 49 | endothelial differentiation, sphingolipid G-protein-coupled receptor, 3 | X83864 | 0.01878 |
| 50 | Homo sapiens cDNA FLJ11478 fis, clone HEMBA1001781 phosphodiesterase 4B, cAMP-specific (dunce (Drosophila)-homolog | AK021540 | 0.01883 |
| 51 | phosphodiesterase E4) | L20971 | 0.01961 |
| 52 | KIAA1552 protein | AB046772 | 0.01975 |
| 53 | B/K protein | AF220560 | 0.01988 |
| 54 | hypothetical protein | AK024221 | 0.02057 |
| 55 | hypothetical protein | AF151030 | 0.02080 |
| 56 | Homo sapiens cDNA: FLJ21545 fis, clone COL06195 | AK025198 | 0.02083 |
| 57 | AK155 protein (AK155 gene) | AJ251549 | 0.02132 |
| 58 | hypothetical protein FLJ20126 | AK000133 | 0.02226 |
| 59 | KIAA0841 protein | AB020648 | 0.02228 |
| 60 | Homo sapiens clone 24475 mRNA sequence | AF070549 | 0.02238 |
| 61 | methyl-CpG binding domain protein 1 | NM_015846 | 0.02244 |
| 62 | hypothetical protein FLJ10482 | AK001344 | 0.02279 |
| 63 | carbonic anhydrase VI | M57892 | 0.02280 |
| 64 | HSPC033 protein | NM_014041 | 0.02358 |
| 65 | basic helix-loop-helix domain containing, class B, 2 | NM_003670 | 0.02374 |
| 66 | nucleosomal binding protein 1 | NM_030763 | 0.02439 |
| 67 | hypothetical protein MGC11314 | NM_032721 | 0.02479 |
| 68 | growth associated protein 43 | NM_002045 | 0.02546 |
| 69 | mab-21 (C. elegans)-like 1 diphtheria toxin resistance protein required for diphthamide biosynthesis | U38810 | 0.02594 |
| 70 | (Saccharomyces)-like 2 | NM_001384 | 0.02616 |
| 71 | HCDI protein | NM_020195 | 0.02631 |
| 72 | Homo sapiens clone TCBAP0774 mRNA sequence | AF283771 | 0.02638 |
| 73 | tumor necrosis factor receptor superfamily, member 6b, decoy | AF104419 | 0.02672 |
| 74 | hypothetical protein MGC5576 | NM_024056 | 0.02686 |
| 75 | heat shock 40kD protein 1 | D85429 | 0.02714 |
| 76 | dual specificity phosphatase 1 | NM_004417 | 0.02739 |
| 77 | Homo sapiens cDNA: FLJ22351 fis, clone HRC06325 | AL137294 | 0.02760 |

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|-------|---|------------------|---------|
| | cerebrotendinous | | |
| 78 | xanthomatosis), polypeptide 1 | NM_000784 | 0.02930 |
| 79 | hypothetical protein FLJ21616 | NM_024567 | 0.02940 |
| 80 | Homo sapiens cDNA: FLJ22357 fis, clone HRC06404 | AK026010 | 0.02954 |
| 81 | Homo sapiens cDNA FLJ13033 fis, clone NT2RP3001126 | AK023095 | 0.02969 |
| 82 | Homo sapiens, clone IMAGE:3603998, mRNA, partial cds | BC006126 | 0.03012 |
| 83 | solute carrier family 7 (cationic amino acid transporter, y+ system), member 4 | NM_004173 | 0.03044 |
| 84 | CGI-81 protein | BC000195 | 0.03125 |
| 85 | Homo sapiens cDNA: FLJ21766 fis, clone COLF7179 | AK025419 | 0.03196 |
| 86 | nuclear factor (erythroid-derived 2)-like 2 | NM_006164 | 0.03217 |
| 87 | urotensin 2 | Z98884 | 0.03259 |
| 88 | guanine nucleotide binding protein (G protein), beta 5 | AF017656 | 0.03284 |
| 89 | Homo sapiens clone 25048 mRNA sequence | AF131776 | 0.03385 |
| 90 | ectonucleotide pyrophosphatase/phosphodiesterase 3 | AF005632 | 0.03414 |
| 91 | transcription elongation factor B (SIII), polypeptide 1-like | NM_003197 | 0.03478 |
| 92 | diphtheria toxin receptor (heparin-binding epidermal growth factor-like growth f | M60278 | 0.03498 |
| 93 | hypothetical protein FLJ21777 | NM_032209 | 0.03500 |
| 94 | hepatocellular carcinoma-associated antigen 112 | NM_018487 | 0.03512 |
| 95 | growth arrest and DNA-damage-inducible, alpha | L24498 | 0.03548 |
| 96 | hypothetical protein FLJ11259 | AK002121 | 0.03574 |
| 97 | insulin receptor-related receptor | J05046 | 0.03581 |
| 98 | hypothetical protein FLJ10482 | AK001344 | 0.03599 |
| 99 | CD83 antigen (activated B lymphocytes, immunoglobulin superfamily) | NM_004233 | 0.03603 |
| 100 | hypothetical protein SBB148 | AF178984 | 0.03627 |
| 101 | Vertebrate LIN7 homolog 1, Tax interaction protein 33 | AF173081 | 0.03710 |
| 102 | Homo sapiens XB51 mRNA for X11L-binding protein 51, complete cds | AK023706 | 0.03711 |
| 103 | hypothetical protein FLJ14641 | NM_032817 | 0.03735 |
| 104 | quinoid dihydropteridine reductase | NM_000320 | 0.03746 |
| 105 | delta sleep inducing peptide, immunoreactor | AF183393 | 0.03757 |
| 106 | hypothetical protein FLJ10727 | AK001589 | 0.03784 |
| 107 | spectrin, beta, erythrocytic (includes spherocytosis, clinical type I) | NM_000347 | 0.03795 |
| 108 | PTEN induced putative kinase 1 | NM_032409 | 0.03798 |
| 109 | Homo sapiens cDNA: FLJ21832 fis, clone HEP01571 | AK025485 | 0.03872 |
| 110 | decay accelerating factor for complement (CD55, Cromer blood group system) | NM_000574 | 0.03884 |
| 111 | epidermal growth factor receptor pathway substrate 15 | Z29064 | 0.03911 |
| 112 | ribosomal protein L10 | AK027197 | 0.03933 |
| 113 | Homo sapiens cDNA FLJ20717 fis, clone HEP18380 | AK000724 | 0.03951 |
| 13.33 | Contains the MAPK12 gene for mitogen activated protein kinase 12 (SAPK3), the MAPK11 gene for mitogen activated protein kinase 11 (PRKM11), | | |
| 114 | gene KIAA0315, the gene for a novel protein s | AL022328 | 0.04042 |

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|-----|---|------------------|---------|
| 115 | interleukin 1, beta | M15330 | 0.04056 |
| 116 | zinc finger protein homologous to Zfp-36 in mouse | NM_003407 | 0.04057 |
| 117 | Homo sapiens cDNA: FLJ21561 fis, clone COL06415 | AK025214 | 0.04066 |
| 118 | regulator of G-protein signalling 1 | S59049 | 0.04119 |
| 119 | chondroitin 4-sulfotransferase | NM_018413 | 0.04122 |
| 120 | cyclin L ania-6a | NM_020307 | 0.04239 |
| 121 | crystallin, gamma S | NM_017541 | 0.04261 |
| 122 | hairy (Drosophila)-homolog | NM_005524 | 0.04298 |
| 123 | microvascular endothelial differentiation gene 1 | AB026908 | 0.04352 |
| 124 | KIAA1265 protein | AB033091 | 0.04373 |
| 125 | kallikrein 5 | NM_012427 | 0.04398 |
| 126 | fatty-acid-Coenzyme A ligase, long-chain 3 | NM_004457 | 0.04403 |
| 127 | CD74 antigen (invariant polypeptide of major histocompatibility complex, class II antigen-associated) | NM_004355 | 0.04417 |
| 128 | vanin 2 | D89974 | 0.04475 |
| 129 | E2F transcription factor 1 | M96577 | 0.04540 |
| 130 | melanoma antigen, family A, 8 | U10693 | 0.04623 |
| 131 | angiopoietin-like 2 | NM_012098 | 0.04773 |
| 132 | G-protein coupled receptor SALPR; somatostatin and angiotensin-like peptide re | D88437 | 0.04846 |
| 133 | Homo sapiens cDNA: FLJ22487 fis, clone HRC10931 | AK026140 | 0.04856 |
| 134 | striated muscle contraction regulatory protein | M96843 | 0.04864 |
| 135 | spindlin | AL136719 | 0.04943 |
| 136 | trophinin | NM_016157 | 0.04971 |
| 137 | ubiquitin-conjugating enzyme E2H (homologous to yeast UBC8) | Z29331 | 0.04991 |