

Supplementary Table 46. GO biological process (BP) analysis of differential proteins related to the occurrence of chronic inflammatory

| Biological Process | Protein |
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| cellular response to chemical stimulus | HISTONE H3.1, C-JUN, EIF2 ALPHA, PYK2, FAK, TAU, ASK1, ESTROGEN RECEPTOR-ALPHA, JUNB, IRS-1, 4E-BP1, MET, ELK1, PKC-DELTA, HSF1, CREB, MYC |
| positive regulation of biological process | HISTONE H3.1, C-JUN, EIF2 ALPHA, PYK2, FAK, TAU, ASK1, ESTROGEN RECEPTOR-ALPHA, JUNB, IRS-1, EIF4E, MET, ELK1, PKC-DELTA, HSF1, CREB, STATHMIN 1, MYC, EIF4E, ATF2 |
| developmental process | HISTONE H3.1, C-JUN, EIF2 ALPHA, PYK2, FAK, TAU, ASK1, ESTROGEN RECEPTOR-ALPHA, JUNB, IRS-1, 4E-BP1, MET, STATHMIN 1, ELK1, PKC-DELTA, HSF1, CREB, MYC, EIF4E, ATF2 |
| positive regulation of macromolecule metabolic process | HISTONE H3.1, C-JUN, PYK2, FAK, TAU, ASK1, ESTROGEN RECEPTOR-ALPHA, JUNB, IRS-1, MET, ELK1, PKC-DELTA, HSF1, CREB, MYC, EIF4E, ATF2 |
| positive regulation of cellular process | C-JUN, EIF2 ALPHA, PYK2, FAK, TAU, ASK1, ESTROGEN RECEPTOR-ALPHA, JUNB, IRS-1, 4E-BP1, MET, STATHMIN 1, ELK1, PKC-DELTA, HSF1, CREB, MYC, EIF4E, ATF2 |
| positive regulation of metabolic process | HISTONE H3.1, C-JUN, EIF2 ALPHA, PYK2, FAK, TAU, ASK1, ESTROGEN RECEPTOR-ALPHA, JUNB, IRS-1, MET, ELK1, PKC-DELTA, HSF1, CREB, MYC, EIF4E, ATF2 |
| positive regulation of cellular metabolic process | C-JUN, EIF2 ALPHA, PYK2, FAK, TAU, ASK1, ESTROGEN RECEPTOR-ALPHA, JUNB, IRS-1, |

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| | MET, ELK1, PKC-DELTA, HSF1, CREB, MYC, EIF4E , ATF2 |
| regulation of cell death | C-JUN, EIF2 ALPHA, PYK2, FAK, TAU, ASK1, ESTROGEN RECEPTOR-ALPHA, JUNB, MET, ELK1, PKC-DELTA, HSF1, CREB, MYC, ATF2 |
| single-organism developmental process | HISTONE H3.1, C-JUN, EIF2 ALPHA, PYK2, FAK, TAU, ASK1, ESTROGEN RECEPTOR-ALPHA, JUNB, IRS-1, 4E-BP1, MET, STATHMIN 1, ELK1, PKC-DELTA, HSF1, CREB, MYC, EIF4E , ATF2 |
| response to oxygen-containing compound | C-JUN , PYK2 , FAK , ESTROGEN RECEPTOR-ALPHA, JUNB, IRS-1, EIF4E, MET, ELK1, PKC-DELTA, HSF1, CREB, ATF2, TAU, ASK1 |

Supplementary Table 57-1. GO biological process (BP) analysis of differential proteins (up-regulated) related to the therapeutic effects of

| Biological Process | Protein |
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| regulation of response to stress | HISTONE H3.1, MYC, P53, ELK1 , ASK, P38MAPK, MEK2 |
| positive regulation of gene expression | HISTONE H3.1, MYC, P53, ELK1 , ASK, P38MAPK, MEK2 |
| stress-activated MAPK cascade | ASK, P38MAPK, MEK2, MYC, ELK1 |
| stress-activated protein kinase signaling cascade | ASK, P38MAPK, MEK2, MYC, ELK1 |
| cellular response to organic substance | HISTONE H3.1, MYC, P53, ELK1 , ASK, P38MAPK, MEK2 |
| positive regulation of macromolecule metabolic process | HISTONE H3.1, MYC, P53, ELK1 , ASK, P38MAPK, MEK2 |
| response to ionizing radiation | P38MAPK, MYC, P53, ELK1 |
| positive regulation of transcription, | MYC, P53, ELK1 , ASK, P38MAPK, |

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| DNA-templated | MEK2 |
| positive regulation of nucleic acid-templated transcription | MYC, P53, ELK1 , ASK, P38MAPK, MEK2 |
| cellular response to radiation | MYC, P53, ELK1 , P38MAPK |

Supplementary Table 57-2. GO biological process (BP) analysis of differential proteins (down-regulated) related to the therapeutic effects of

| Biological Process | Protein |
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| positive regulation of cellular process | MEK1, PKC-DELTA, MET, PKC-THETA, IRS-1, TAU , P53 , C-KIT , C-JUN , ASK1 , CREB , P44/42MAPKinase , EIF2 ALPHA , JUNB , HISTONE H2A.X, STATHMIN 1, PYK2, 4E-BP1, ELF4E |
| positive regulation of cellular metabolic process | MEK1, PKC-DELTA, MET, PKC-THETA, IRS-1, TAU , P53 , C-KIT , C-JUN , ASK1 , CREB , P44/42MAPKinase , EIF2 ALPHA , JUNB , HISTONE H2A.X, PYK2, ELF4E |
| enzyme linked receptor protein signaling pathway | MEK1, PKC-DELTA, MET, PKC-THETA, IRS-1, P53, C-KIT, C-JUN, CREB, P44/42MAPKinase, JUNB, STATHMIN 1, PYK2, 4E-BP1 |
| cellular response to oxygen-containing compound | MEK1, PKC-DELTA, MET, PKC-THETA, IRS-1, TAU , P53 , C-JUN , ASK1 , CREB , P44/42MAPKinase, PYK2, 4E-BP1 |
| response to inorganic substance | PKC-DELTA, MET, TAU, C-KIT, C-JUN, ASK1, CREB, P44/42MAPKinase, EIF2 ALPHA, JUNB, PYK2 |
| response to oxygen-containing compound | MEK1, PKC-DELTA, MET, PKC-THETA, IRS-1, TAU , P53 , C-JUN , ASK1 , CREB , P44/42MAPKinase, JUNB, PYK2, 4E-BP1 |
| response to external | MEK1, PKC-DELTA, MET, PKC-THETA, TAU, |

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| stimulus | P53 , C-KIT , C-JUN , ASK1 , CREB , P44/42MAPKinase , EIF2 ALPHA , JUNB , STATHMIN 1, PYK2, 4E-BP1 |
| positive regulation of biological process | MEK1, PKC-DELTA, MET, PKC-THETA, IRS-1, TAU , P53 , C-KIT , C-JUN , ASK1 , CREB , P44/42MAPKinase , EIF2 ALPHA , JUNB , HISTONE H2A.X, STATHMIN 1, PYK2, 4E-BP1, ELF4E |
| positive regulation of macromolecule metabolic process | MEK1, PKC-DELTA, MET, PKC-THETA, IRS-1, TAU , P53 , C-KIT , C-JUN , ASK1 , CREB , P44/42MAPKinase , JUNB, HISTONE H2A.X, PYK2, ELF4E |
| positive regulation of metabolic process | MEK1, PKC-DELTA, MET, PKC-THETA, IRS-1, TAU , P53 , C-KIT , C-JUN , ASK1 , CREB , P44/42MAPKinase , EIF2 ALPHA , JUNB , HISTONE H2A.X, PYK2, ELF4E |
