

Supplementary file

Table S3. 153 candidate target genes

| No. | Gene | No. | Gene | No. | Gene | No. | Gene | No. | Gene |
|-----|---------|-----|--------|-----|--------|-----|---------|-----|----------|
| 1 | AKT1 | 32 | MMP1 | 63 | CDKN2A | 94 | IRF1 | 125 | SERPINE1 |
| 2 | APP | 33 | MMP2 | 64 | CHEK2 | 95 | KCNH2 | 126 | SOD1 |
| 3 | AR | 34 | MMP9 | 65 | CHUK | 96 | MAOB | 127 | SPP1 |
| 4 | BCL2L1 | 35 | NCOA2 | 66 | COL1A1 | 97 | MGAM | 128 | STAT1 |
| 5 | BIRC5 | 36 | NFKBIA | 67 | COL3A1 | 98 | MMP3 | 129 | SULT1A1 |
| 6 | CASP3 | 37 | PCNA | 68 | CRP | 99 | MPO | 130 | SULT1A3 |
| 7 | CASP7 | 38 | PIK3CG | 69 | CTSD | 100 | MYC | 131 | TGFB1 |
| 8 | CASP9 | 39 | PPARG | 70 | CXCL10 | 101 | NCF1 | 132 | THBD |
| 9 | CCNB1 | 40 | PRSS1 | 71 | CXCL2 | 102 | NFE2L2 | 133 | VCAM1 |
| 10 | CCND1 | 41 | PTGS1 | 72 | CXCL8 | 103 | NOS3 | 134 | VEGFA |
| 11 | CD40LG | 42 | PTGS2 | 73 | CYP1A1 | 104 | NQO1 | 135 | XDH |
| 12 | CDK4 | 43 | RB1 | 74 | CYP1A2 | 105 | NR1I2 | 136 | SOD2 |
| 13 | CDKN1A | 44 | RELA | 75 | CYP1B1 | 106 | NR1I3 | 137 | SOD3 |
| 14 | DPP4 | 45 | SLC2A4 | 76 | CYP3A4 | 107 | ODC1 | 138 | HTR2A |
| 15 | EGFR | 46 | TNF | 77 | E2F1 | 108 | PARP1 | 139 | OPRM1 |
| 16 | ERBB2 | 47 | TOP1 | 78 | EGF | 109 | PLAT | 140 | PGR |
| 17 | GSTP1 | 48 | TOP2A | 79 | ERBB3 | 110 | PLAU | 141 | SLC6A4 |
| 18 | HMOX1 | 49 | TP53 | 80 | F10 | 111 | PON1 | 142 | CAT |
| 19 | HSP90AA | 50 | TYR | 81 | F2 | 112 | POR | 143 | ESR1 |
| 20 | ICAM1 | 51 | ABCG2 | 82 | F3 | 113 | PPARA | 144 | CA2 |
| 21 | IFNG | 52 | ACACA | 83 | F7 | 114 | PRKCA | 145 | CDK2 |
| 22 | IL10 | 53 | ACHE | 84 | FOS | 115 | PRKCB | 146 | CHEK1 |
| 23 | IL2 | 54 | ADRB2 | 85 | GJA1 | 116 | PTEN | 147 | GSK3B |
| 24 | IL4 | 55 | AHR | 86 | GSTM1 | 117 | RAF1 | 148 | MAPK14 |
| 25 | IL6 | 56 | AKR1B1 | 87 | HIF1A | 118 | RASA1 | 149 | CCNA2 |
| 26 | INSR | 57 | ALOX5 | 88 | HK2 | 119 | RASSF1 | 150 | ESR2 |
| 27 | JUN | 58 | BAX | 89 | HSPB1 | 120 | RUNX1T1 | 151 | NOS2 |
| 28 | MAPK1 | 59 | BCL2 | 90 | IGF2 | 121 | RUNX2 | 152 | PTPN1 |
| 29 | MCL1 | 60 | CASP8 | 91 | IGFBP3 | 122 | RXRA | 153 | SLC6A3 |
| 30 | MDM2 | 61 | CAV1 | 92 | IL1A | 123 | SCN5A | | |
| 31 | MET | 62 | CCL2 | 93 | IL1B | 124 | SELE | | |