**Supplementary Table 1. OXA-interacting genes.** This table provides interactions between significantly differentially expressed genes and oxaliplatin in gastric cancer retrieved from CTD database.

|  |  |  |
| --- | --- | --- |
| **Gene name** | **Oxa-mRNA interaction** | **mRNA expression in GC** |
| AHR | low |  |
| AKR1C3 | - | low |
| ALDH7A1 | High |  |
| ALOX5 | High |  |
| ANXA5 | High |  |
| ARL6IP5 | ^response to substance |  |
| AURKB | Low | high |
| BCL2L1 | Low |  |
| BDNF | Low |  |
| BIRC5 | Low | high |
| BLVRB | Low | low |
| BMP2 | High |  |
| BNIP3 | Low | low |
| CASP8 | High |  |
| CAV1 | High | low |
| CCND1 | High |  |
| CDH1 | Low |  |
| CDH2 | High | low |
| CDKN1A | High/low | low |
| CDKN1B | High/low |  |
| CDKN2A | High | high |
| CEBPB | High |  |
| CHEK2 | Low | high |
| CKB | High | low |
| CTSC | High |  |
| CTSL | High |  |
| DDB1 | High/ low |  |
| DNMT1 | Low | high |
| DPYD | - |  |
| EBI3 | High |  |
| EGFR | High |  |
| ERCC1 | High |  |
| ERCC2 | High |  |
| F2R | High | high |
| FADS1 | Low |  |
| FGFR2 | High |  |
| FST | High |  |
| FYN | Low |  |
| GADD45A | High/low |  |
| GREM1 | High |  |
| GSTP1 | High |  |
| HMOX1 | High |  |
| HSPB1 | High | low |
| ID4 | High | low |
| IGFBP3 | High/low | high |
| IGFBP7 | High |  |
| IL1B | High |  |
| IL1RN | High | low |
| IL6 | High | low |
| IL6R | Low | low |
| IRF1 | High |  |
| JUN | High | low |
| KLF6 | High |  |
| MAPK1 | Low |  |
| MAPK3 | Low | low |
| MDM2 | High |  |
| MLF1 | Low |  |
| MT2A | High/low | low |
| MTSS1 | Low |  |
| MX1 | High |  |
| MYC | Low |  |
| NDUFS1 | Low |  |
| NOTCH2 | Low |  |
| NPM1 | Low |  |
| NT5E | High |  |
| PA2G4 | Low |  |
| PLAGL1 | High |  |
| PLAU | High | high |
| PLIN2 | High |  |
| PPARG | High/low |  |
| PPIC | High |  |
| PRKCB | Low | low |
| PRNP | Low | low |
| PTGS2 | High | high |
| PTPA | Low |  |
| PTPRF | High |  |
| RAD23A | Low |  |
| RBP4 | High | high |
| RNF43 | High | high |
| SELENBP1 | Low | low |
| SERPINB2 | High | low |
| SERPINE1 | High | high |
| SLC16A3 | High |  |
| SNAI1 | High |  |
| SOD2 | High |  |
| STAT3 | High |  |
| THBD | High |  |
| TIMP3 | High | low |
| TNF | High |  |
| TP53 | High |  |
| TWIST1 | High |  |
| TYMP | - |  |
| TYMS | Low | high |
| WIF1 | High |  |
| XRCC1 | - |  |
| CD274 | Low |  |
| RELA | high |  |