**Table S1. Top 20 enriched “Biological Processes” upregulated genes in neratinib-treated TBCP-1 cells.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **GO\_ID** | **Term** | **N** | **DE** | **P.DE** |
| GO:0010468 | regulation of gene expression  | 3292  | 340  | 3.30E-08  |
| GO:0051252  | regulation of RNA metabolic process  | 2740  | 289  | 7.76E-08  |
| GO:0060255  | regulation of macromolecule metabolic process  | 4471  | 439  | 8.34E-08  |
| GO:0019222  | regulation of metabolic process  | 4836  | 468  | 1.53E-07  |
| GO:1903506  | regulation of nucleic acid-templated transcription  | 2622  | 276  | 2.04E-07  |
| GO:0080090  | regulation of primary metabolic process  | 4412  | 431  | 2.27E-07  |
| GO:2001141  | regulation of RNA biosynthetic process  | 2630  | 276  | 2.69E-07  |
| GO:0006355  | regulation of transcription, DNA-templated  | 2619  | 275  | 2.71E-07  |
| GO:0010604  | positive regulation of macromolecule metabolic process  | 2361  | 251  | 3.86E-07  |
| GO:1903508  | positive regulation of nucleic acid-templated transcription  | 1145  | 138  | 4.00E-07  |
| GO:0045893  | positive regulation of transcription, DNA-templated  | 1145  | 138  | 4.00E-07  |
| GO:1902680  | positive regulation of RNA biosynthetic process  | 1151  | 138  | 5.39E-07  |
| GO:0019219  | regulation of nucleobase-containing compound metabolic process  | 3037  | 310  | 5.52E-07  |
| GO:0097659  | nucleic acid-templated transcription  | 2697  | 280  | 5.61E-07  |
| GO:0031323  | regulation of cellular metabolic process  | 4518  | 437  | 5.92E-07  |
| GO:0031326  | regulation of cellular biosynthetic process  | 3166  | 321  | 6.09E-07  |
| GO:0006351  | transcription, DNA-templated  | 2694  | 279  | 7.36E-07  |
| GO:0009893  | positive regulation of metabolic process  | 2565  | 267  | 9.05E-07  |
| GO:0032774  | RNA biosynthetic process  | 2712  | 280  | 9.14E-07  |
| GO:0051254  | positive regulation of RNA metabolic process  | 1205  | 142  | 9.83E-07  |