

**Table 1 Top 10 hub genes of erastin-induced LNCaP and PC3 cells**

| Ensemble ID     | Symbol        | log2(FC) In<br>LNCaP group | FDR Value<br>In LNCaP<br>group | log2(FC) In<br>PC3 group | FDR Value<br>In PC3 group |
|-----------------|---------------|----------------------------|--------------------------------|--------------------------|---------------------------|
| ENSG00000120885 | <i>CLU</i>    | 2.227676954                | 4.66194E-14                    | 2.328754927              | 3.10046E-26               |
| ENSG00000125538 | <i>IL1B</i>   | 2.659181706                | 0.023399869                    | -2.354730765             | 5.37023E-07               |
| ENSG00000105976 | <i>MET</i>    | 2.178704253                | 5.57265E-06                    | -2.716782674             | 4.70167E-33               |
| ENSG00000021645 | <i>NRXN3</i>  | 2.219194193                | 2.12366E-07                    | 2.442352118              | 6.87491E-18               |
| ENSG00000221866 | <i>PLXNA4</i> | 3.383825988                | 4.60173E-05                    | 5.0250723                | 0.006594555               |
| ENSG00000128683 | <i>GAD1</i>   | 2.674364639                | 5.49826E-07                    | 4.298554233              | 1.7675E-116               |
| ENSG00000107731 | <i>UNC5B</i>  | 2.073123293                | 4.61178E-09                    | -2.989199096             | 3.58257E-30               |
| ENSG00000103257 | <i>SLC7A5</i> | -2.079560779               | 1.34346E-12                    | -2.392270174             | 1.17417E-23               |
| ENSG00000196730 | <i>DAPK1</i>  | 2.188978999                | 6.02751E-14                    | -5.892959015             | 8.06199E-77               |
| ENSG00000144339 | <i>TMEFF2</i> | -3.727660511               | 1.65524E-66                    | 4.052271557              | 1.96873E-07               |