**Lists of known Unique genes of the top-5 Upregulated genes in T47D-CAST-I and MDA-MB-231 CAST-I**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| TOP-5 upregulated genes Unique to T47D CAST-I | | | Top-5 upregulated genes Unique to 231 CAST-I | | |
| Genes | Expr Log Ratio | Expr p-value | Genes | Expr Log Ratio | Expr p-value |
| LRRN1 | 11.893 | 9.24E-24 | LINC02564 | 7.781 | 1.16E-09 |
| PAGE5 | 9.206 | 2.48E-14 | LHFPL4 | 7.391 | 1E-41 |
| GPC6 | 8.456 | 2.35E-118 | ACTR3C | 7.114 | 0.000000208 |
| CNTN6 | 8.282 | 6.74E-12 | COCH | 6.987 | 9.1E-11 |
| CHMP1B2P | 8.122 | 6.37E-11 | EOMES | 5.676 | 0.000000924 |

**Lists of Unique genes of the top-5 Downregulated genes in T47D-CAST-I and MDA-MB-231 CAST-I**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| TOP-5 downregulated genes Unique to T47D CAST-I | | | Top-5 downregulated genes Unique to 231 CAST-I | | |
| Genes | Expr Log Ratio | Expr p-value | Genes | Expr Log Ratio | Expr p-value |
| TFDP3 | -12.583 | 2.39E-26 | FRG2EP | -9.532 | 4.5E-13 |
| GRIK3 | -10.12 | 1.68E-17 | LINC00540 | -9.516 | 5.73E-15 |
| HOXB13 | -8.546 | 4.28E-12 | TSPYL5 | -9.397 | 1.89E-75 |
| PHF2P2 | -8.332 | 1.67E-11 | LINC02404 | -8.595 | 4.8E-12 |
| PIP | -7.966 | 2.77E-148 | LINC01425 | -8.533 | 2.45E-11 |

**Lists of Unique genes of the top-5 Upregulated genes in T47D-CAST-II and MDA-MB-231 CAST-II**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| TOP-5 upregulated genes Unique to T47D CAST-II | | | Top-5 upregulated genes Unique to 231 CAST-II | | |
| Genes | Expr Log Ratio | Expr p-value | Genes | Expr Log Ratio | Expr p-value |
| **LINC00200** | 12.631 | 1.32E-26 | PWWP3B | 8.183 | 1.17E-10 |
| PAGE5 | 11.073 | 1.19E-20 | ITM2A | 7.481 | 1.71E-08 |
| SELENOOLP | 8.301 | 1.86E-11 | CCL4 | 7.337 | 2.94E-08 |
| CHMP1B2P | 8.244 | 2.82E-11 | LINC01610 | 7.02 | 3.22E-08 |
| FABP4 | 7.309 | 1E-11 | PGM5 | 6.991 | 1.43E-66 |

**Lists of Unique genes of the top-5 downregulated genes in T47D-CAST-II and MDA-MB-231 CAST-II**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| TOP-5 downregulated genes Unique to T47D CAST-II | | | Top-5 downregulated genes Unique to 231 CAST-II | | |
| Genes | Expr Log Ratio | Expr p-value | Genes | Expr Log Ratio | Expr p-value |
| TFDP3 | -12.472 | 6.4E-26 | DDX53 | -8.835 | 2.2E-12 |
| GRIK3 | -10.97 | 2.73E-20 | MKRN9P | -8.439 | 3.82E-10 |
| HOXB13 | -8.436 | 8.69E-12 | GVINP2 | -7.682 | 5.66E-09 |
| GABRP | -8.073 | 1E-59 | CD33 | -7.486 | 2.87E-59 |
| CYP4F22 | -7.553 | 5.39E-09 | PYDC2-AS1 | -7.288 | 9.92E-08 |

**Lists of Unique genes of the top-5 Upregulated genes in T47D-CAST-III and MDA-MB-231 CAST-III**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| TOP-5 upregulated genes Unique to T47D CAST-III | | | Top-5 upregulated genes Unique to 231 CAST-III | | |
| Genes | Expr Log Ratio | Expr p-value | Genes | Expr Log Ratio | Expr p-value |
| SRSF8CP | 9.171 | 5.74E-14 | PGM5-AS1 | 9.526 | 7.41E-14 |
| CNTN6 | 7.131 | 1.35E-08 | PWWP3B | 9.49 | 2.71E-13 |
| SELENOOLP | 6.59 | 0.00000111 | BOLA2/BOLA2B | 9.168 | 0.00224 |
| RNA5-8S5 | 6.513 | 0.00000227 | CCDC70 | 8.848 | 5.2E-12 |
| LINC02008 | 6.446 | 0.00000343 | HCLS1 | 8.727 | 8.94E-66 |

**Lists of Unique genes of the top-5 Downregulated genes in T47D-CAST-III and MDA-MB-231 CAST-III**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| TOP-5 downregulated genes Unique to T47D CAST-III | | | Top-5 downregulated genes Unique to 231 CAST-III | | |
| Genes | Expr Log Ratio | Expr p-value | Genes | Expr Log Ratio | Expr p-value |
| TFDP3 | -12.515 | 8.48E-26 | EHF | -12.924 | 1.34E-16 |
| HOXB13 | -8.479 | 8.4E-12 | SSX1 | -12.796 | 3.29E-26 |
| MRGPRX2 | -7.288 | 0.000000022 | MAGEC2 | -12.709 | 7.69E-26 |
| CYP4Z1 | -7.178 | 6.87E-08 | DCAF12L1 | -12.463 | 1.15E-24 |
| LINC00960 | -6.737 | 1.35E-18 | CCBE1 | -12.419 | 8.08E-24 |