**CFX Maestro analysis- upregulated and downregulated lncRNAs**

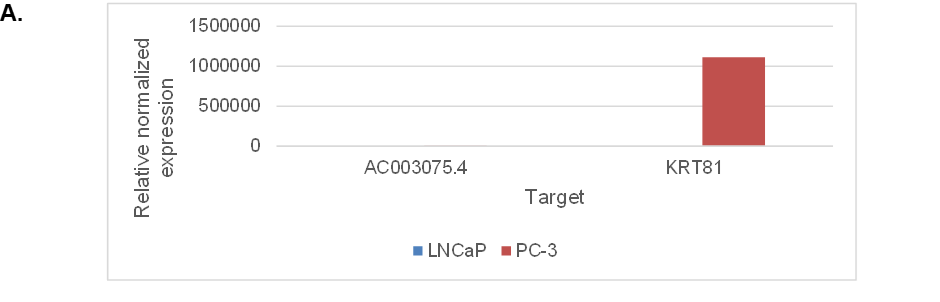
**Table 1: Upregulated lncRNAs**

|  |  |  |
| --- | --- | --- |
| **LncRNA** | **Ensembl ID** | **Regulation/ Fold change** |
| KRT81 | ENSG00000205426 | 1109964.44 |
| AC003075.4 | ENSG00000237773 | 165.03 |
| CFLAR-AS1 | ENSG00000226312 | 31.00 |
| RP11-174G6.5 | ENSG00000261324 | 19.77 |
| LURAP1L-AS1 | ENSG00000235448 | 17.21 |
| CTD-2339M3.1 | ENSG00000242602 | 14.68 |
| RP11-244F12.3 | ENSG00000259498 | 13.57 |
| LINC00339 | ENSG00000218510 | 8.77 |
| CTD-3157E16.1 | ENSG00000265519 | 8.73 |
| RP3-443C4.2 | ENSG00000233823 | 8.46 |
| SOCS2-AS1 | ENSG00000246985 | 7.82 |
| TINCR | ENSG00000223573 | 7.72 |
| RNF139-AS1 | ENSG00000245149 | 6.42 |
| RN7SL15P | ENSG00000264573 | 5.53 |
| HOTAIR | ENSG00000228630 | 5.19 |
| COX6CP10 | ENSG00000238008 | 4.63 |
| AC009404.2 | ENSG00000236255 | 4.61 |
| RP1-30M3.6 | ENSG00000272402 | 4.56 |
| RP11-156E6.1 | ENSG00000259623 | 4.28 |
| RP4-635E18.8 | ENSG00000271895 | 4.24 |
| LINC00493 | ENSG00000232388 | 4.15 |
| AFG3L1P | ENSG00000223959 | 3.77 |
| MAGI1-IT1 | ENSG00000272610 | 3.29 |
| TUG1 | ENSG00000253352 | 3.24 |
| TERC | ENSG00000270141 | 3.16 |
| CTA-363E19.2 | ENSG00000272072 | 3.14 |
| RP11-382A20.4 | ENSG00000259986 | 3.01 |
| RP11-226L15.5 | ENSG00000260766 | 2.95 |
| DUTP1 | ENSG00000229048 | 2.90 |
| GTF3AP2 | ENSG00000258966 | 2.89 |
| LINC01024 | ENSG00000245146 | 2.78 |
| LINC00657 | ENSG00000260032 | 2.74 |
| AC005618.6 | ENSG00000272070 | 2.72 |
| PTPRJ-AS1 | ENSG00000254879 | 2.33 |
| FOXP4-AS1 | ENSG00000234753 | 2.31 |
| RP11-338I21.1 | ENSG00000271933 | 2.05 |

**Table 2: Downregulated lncRNAs**

|  |  |  |
| --- | --- | --- |
| **LncRNA** | **Ensembl ID** | **Regulation/Fold change** |
| PCAT29 | ENSG00000259641 | -349.40 |
| PCAT1 | ENSG00000253438 | -110.80 |
| RP11-884K10.6 | ENSG00000271916 | -71.40 |
| KB-1562D12.2 | ENSG00000253991 | -21.46 |
| LINC01137 | ENSG00000233621 | -7.37 |
| TP53TG1 | ENSG00000182165 | -5.03 |
| PRNCR1 | ENSG00000282961 | -4.85 |
| FAM83H-AS1 | ENSG00000203499 | -2.66 |
| PCGEM1 | ENSG00000227418 | -2.32 |
| SNHG8 | ENSG00000269893 | -2.29 |
| CTD-2562J17.7 | ENSG00000254429 | -2.11 |
| RP11-48B3.3 | ENSG00000254162 | -2.10 |

**CFX Maestro normalized lncRNA expression bar graphs.**





**Figure 1:** Bar graphs showing the relative normalized expression of each lncRNA for the two cell lines, LNCaP (control) and PC-3 (experiment). The relative normalized expression of LNCaP is 1.00 as this is the control.