**Supp. Table 4**

**A)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Gene ID | Gene Name | Log2  (FoldChange) | Adjusted  p-value |
| HEK293T Cells | ENSG00000204991 | *SPIRE2* | -1,61359 | 1,55E-43 |
| ENSG00000182979 | *MTA1* | -1,01931 | 6,19E-33 |
| ENSG00000175595 | *ERCC4* | -1,00465 | 4,26E-17 |
| ENSG00000179168 | *GGN* | 1,10093 | 0,040914 |
| ENSG00000276180 | *HIST1H4I* | 1,27670 | 1,05E-21 |
| ENSG00000178460 | *MCMDC2* | 1,55162 | 0,00268 |
| ENSG00000160207 | *HSF2BP* | 1,57793 | 4,18E-11 |
| ENSG00000188996 | *HUS1B* | 1,71470 | 0,006628 |
| ENSG00000270882 | *HIST2H4A* | 2,98436 | 9,61E-07 |
| mES Cells | ENSMUSG00000032346 | *Ooep* | -1,20679 | 1,8E-09 |
| ENSMUSG00000012483 | *Rpa3* | -1,04106 | 6,62E-08 |
| ENSMUSG00000051455 | *Meioc* | 1,00279 | 0,046258 |
| ENSMUSG00000055884 | *Fancm* | 1,17950 | 1,65E-11 |
| ENSMUSG00000066440 | *Zfyve26* | 1,19564 | 3,9E-09 |
| ENSMUSG00000009628 | *Tex15* | 1,24639 | 3,97E-08 |
| ENSMUSG00000034218 | *Atm* | 1,35071 | 0,020362 |
| ENSMUSG00000058761 | *Rnf169* | 1,47958 | 1,03E-13 |
| ENSMUSG00000045102 | *Poln* | 2,51407 | 0,002357 |
| ENSMUSG00000037855 | *Zfp365* | 3,30462 | 1,07E-65 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| mES | Adj(p) | 0,00235 | 0,025625 | 8,47E-10 | 6,78E-07 | 6,16E-11 | 2,14E-07 | 4,77E-08 | 4,71E-47 | 1,47E-27 | 0,000344 | 4,63E-24 | 0,023919 | 0,025007 | 1,42E-06 | 1,25E-05 | 2,79E-05 | 5,17E-07 | 3,75E-06 | 0,03607 | 4,88E-18 | 0,043359 | 0,026125 | 0,000463 |
| Log2(FC) | -1,07010 | -1,51039 | -1,49808 | -1,30189 | -1,06262 | -1,40404 | -1,13897 | -2,13541 | -2,06072 | 1,22133 | 1,73758 | 1,42042 | 1,56608 | 1,87271 | 1,14842 | 1,52325 | 1,61252 | 1,24302 | 1,43990 | 2,64492 | 1,30198 | 1,32656 | 3,78519 |
| Gene ID | ENSMUSG00000029095 | ENSMUSG00000032246 | ENSMUSG00000072568 | ENSMUSG00000022101 | ENSMUSG00000063646 | ENSMUSG00000002279 | ENSMUSG00000031442 | ENSMUSG00000040618 | ENSMUSG00000020142 | ENSMUSG00000006403 | ENSMUSG00000022602 | ENSMUSG00000022229 | ENSMUSG00000027793 | ENSMUSG00000031825 | ENSMUSG00000026208 | ENSMUSG00000027955 | ENSMUSG00000032591 | ENSMUSG00000029651 | ENSMUSG00000021365 | ENSMUSG00000041757 | ENSMUSG00000021123 | ENSMUSG00000039646 | ENSMUSG00000020101 |
| HEK293T | Adj(p) | 2,98E-07 | 0,016549 | 2,95E-28 | 0,006999 | 2,40E-13 | 1,15E-25 | 5,19E-19 | 7,71E-28 | 5,99E-38 | 0,001352 | 4,02E-14 | 0,019771 | 1,85E-05 | 0,000218 | 0,016943 | 0,000222 | 3,55E-19 | 0,003492 | 0,012211 | 1,10E-05 | 4,53E-05 | 1,64E-08 | 7,34E-06 |
| Log2(FC) | -1,99986 | -1,06583 | -1,02537 | -1,86323 | -1,65190 | -2,22572 | -1,59159 | -1,14987 | -1,59440 | 1,72223 | 1,77775 | 1,05224 | 1,79083 | 1,42538 | 1,89015 | 2,63379 | 1,29049 | 1,07365 | 1,04523 | 1,05839 | 1,90700 | 1,30608 | 1,69462 |
| Gene ID | ENSG00000163995 | ENSG00000129007 | ENSG00000168672 | ENSG00000158815 | ENSG00000152969 | ENSG00000103227 | ENSG00000126217 | ENSG00000100889 | ENSG00000115902 | ENSG00000158859 | ENSG00000198576 | ENSG00000075673 | ENSG00000133101 | ENSG00000103196 | ENSG00000175084 | ENSG00000164125 | ENSG00000173531 | ENSG00000132938 | ENSG00000111859 | ENSG00000143850 | ENSG00000139988 | ENSG00000168140 | ENSG00000107738 |
|  | Gene Name | *ABLIM2* | *CALML4* | *FAM84B* | *FGF17* | *JAKMIP1* | *LMF1* | *MCF2L* | *PCK2* | *SLC1A4* | *ADAMTS4* | *ARC* | *ATP12A* | *CCNA1* | *CRISPLD2* | *DES* | *FAM198B* | *MST1* | *MTUS2* | *NEDD9* | *PLEKHA6* | *RDH12* | *VASN* | *VSIR* |

**B)**