|  |  |  |
| --- | --- | --- |
| **Supplemental Table 6**: Primers used for RNA expression and ChIP-qPCR analysis  |  |  |
|  |  |  |  |  |  |
| **Expression** |  |  |  |  |  |
|  | **Gene** | **gen bank ID** | **Forward primer** | **Reverse Primer** | **Amplified product** |
| Down peaks | CPLX1 | [ENST00000304062](http://uswest.ensembl.org/Homo_sapiens/Transcript/Summary?db=core;g=ENSG00000168993;r=4:778746-819880;t=ENST00000304062) | AGTTTGTGATGAAGCAGGCTCT | GTCTGGGTCCTTCTCCTCGT | 83 bp |
|  | USP9X | [ENST00000378308](http://uswest.ensembl.org/Homo_sapiens/Transcript/Summary?db=core;g=ENSG00000124486;r=X:40944888-41091850;t=ENST00000378308) | AGGCTCCTGATGGACAGTCTC | ATCACCTTGACCTTGCTCATCT | 113 bp |
|  | VGF | [ENST00000249330](http://uswest.ensembl.org/Homo_sapiens/Transcript/Summary?db=core;g=ENSG00000128564;r=7:100805790-100808874;t=ENST00000249330) | TTCTGCTGATCAACGGGTTAG | CTACCGGCTCTTTATGCTCAGA | 90 bp |
|  | ARC | [ENST00000356613](http://uswest.ensembl.org/Homo_sapiens/Transcript/Summary?db=core;g=ENSG00000198576;r=8:143692410-143695833;t=ENST00000356613) | CTCCCAGGGGAGAGTAGAAGTC | AAAGACTTTGTGGGAACCTTGA | 242 bp |
|  |  |  |  |  |  |
| Up peaks | IFI6 | [ENST00000361157](http://uswest.ensembl.org/Homo_sapiens/Transcript/Summary?db=core;g=ENSG00000126709;r=1:27992577-27998709;t=ENST00000361157) | CTGTGCCCATCTATCAGCAG | AGTGAAGAGCAGCAGGTAGCAC | 141 bp |
|  | ALDH1A2 | [ENST00000249750](http://uswest.ensembl.org/Homo_sapiens/Transcript/Summary?db=core;g=ENSG00000128918;r=15:58245622-58358616;t=ENST00000249750) | CGCCCAATCTCGAAATTAAGTA | TGCTTCTTGAACTTCACACACC | 128 bp |
|  | NEURL1B | [ENST00000369800](http://uswest.ensembl.org/Homo_sapiens/Transcript/Summary?db=core;g=ENSG00000214357;r=5:172068269-172118543;t=ENST00000369800) | GTGCTCCTGGGCATCAAC | GGGCTGGACTGCAGGGTA | 137 bp |
|  |  |  |  |  |  |
| Housekeeping | RPLP0 | [ENST00000228306](http://www.ensembl.org/Homo_sapiens/transview?db=core&transcript=ENST00000228306) | [QuantiTect Primer Assay](https://www.qiagen.com/products/pcr/quantitect/primerassays.aspx) |  | 170 bp |
|  | B2M | [ENST00000349264](http://www.ensembl.org/Homo_sapiens/transview?db=core&transcript=ENST00000349264) | [QuantiTect Primer Assay](https://www.qiagen.com/products/pcr/quantitect/primerassays.aspx) |  | 98 bp |
|  | TBP | [ENST00000230354](http://www.ensembl.org/Homo_sapiens/transview?db=core&transcript=ENST00000230354) | [QuantiTect Primer Assay](https://www.qiagen.com/products/pcr/quantitect/primerassays.aspx) |  | 132 bp |
|  | TFRC | [ENST00000265238](http://www.ensembl.org/Homo_sapiens/transview?db=core&transcript=ENST00000265238) | [QuantiTect Primer Assay](https://www.qiagen.com/products/pcr/quantitect/primerassays.aspx) |  | 81 bp |
|  | GUSB | [ENST00000304895](http://www.ensembl.org/Homo_sapiens/transview?db=core&transcript=ENST00000304895) | [QuantiTect Primer Assay](https://www.qiagen.com/products/pcr/quantitect/primerassays.aspx) |  | 96 bp |
|  | HMBS | [ENST00000278715](http://www.ensembl.org/Homo_sapiens/transview?db=core&transcript=ENST00000278715) | [QuantiTect Primer Assay](https://www.qiagen.com/products/pcr/quantitect/primerassays.aspx) |  | 107 bp |
|  | ACTB | [NM\_001101](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?holding=&db=Nucleotide&cmd=search&term=NM_001101) | [QuantiTect Primer Assay](https://www.qiagen.com/products/pcr/quantitect/primerassays.aspx) |  | 104 bp |
|  | Housekeeping primers were purchased from Qiagen as above. |  |  |
|  |  |  |  |  |  |
| **ChIP-qPCR** |  |  |  |  |  |
| Housekeeping | B2M-H-chip-F | gggcaccattagcaagtcac |  |  |
|  | B2M-H-chip-R | ggcgctcattctaggacttc |  |  |  |
| Up/Down peaks | ARC-DNA-4F | CATCAGCAAGCTGACAAGGA |  |  |
|  | ARC-DNA-4R | CTCCACACAGGTGAGGGAAC |  |  |
|  | NR4A1-DNA-5F | AGGTGGAAACCCTTGTCCTT |  |  |
|  | NR4A1-DNA-5R | ATCTGGAGCTGGAATGGTTG |  |  |
|  | NRCAM-DNA-2F | CCTTGGGTCCTCCGTAATCT |  |  |
|  | NRCAM-DNA-2R | GGAGCCTGCTGTAAGTGGTC |  |  |
|  | AHCYL1-DNA-2F | CGTTGTGCAGAAACCAGACTAC |  |  |
|  | AHCYL1-DNA-2R | CCTTTGGATTAAAGCTCCTTCC |  |  |