**Supplementary Table 1. Primers for quantitative real-time PCR analysis**

|  |  |  |
| --- | --- | --- |
| Name | Coding | Anticoding |
| XIAP | TCACTTGAGGTTCTGGTTGCAG | TTGCAAAGCTTCTCCTCTTGC |
| BCL-2 | GGATCCAGGATAACGGAGGC | GGGCCAAACTGAGCAGAGTC |
| IL-8 | GAGTGATTGAGAGTGGACCACACT | AGACAGAGCTCTCTTCCATCAGAAA |
| IL-1Β | CCACAGACCTTCCAGGAGAATG | GTGCAGTTCAGTGATCGTACAGG |
| TNFΑ | CTCTTCTGCCTGCTGCACTTTG | ATGGGCTACAGGCTTGTCACTC |
| PD-L1 | AGGAGTACCTTGGCTTTGCC | GCCTTGCTCAGCCACAATTC |
| NKRF | TCATCTTTGTGTGAAGCCAGT | AGTCTGGAAATCACATGGTAGAAGT |
| PRKCQ | TCCATCCACCCATTCTCAGC | ACCAGTCATGGCACGAGAAG |
| UBXN1 | AAGAGTTGTCAGCAGCACGA | CCCACACTGCCACCATACTT |
| HOTAIR | ATAGGCAAATGTCAGAGGGTT | TCTTAAATTGGGCTGGGTC |

**Supplementary Table 2. Primers used in ChIP assay**

|  |  |  |
| --- | --- | --- |
| Name | Coding | Anticoding |
| UBXN1 promotor 1 | ACGTCTGGTCAAAGAACCTT | TCCTCTCTTTCTTCACGCTC |
| UBXN1 promotor 2 | GGCAGGGGAAATGATGGATA | TAACCTGCCCACTCCATTAC |
| HOTAIR | GGAAAGCAGCAAAATGGGGG | GTTGTGGCCTATGCCTCCTT |
| GAPDH | TACTAGCGGTTTTACGGGCG | TCGAACAGGAGGAGCAGAGAGCGA |
| CD274 | ACTGAAAGCTTCCGCCGATT | GAGGAACAACGCTCCCTACC |

**Supplementary Table 3. Probes for ChIRP analysis**

|  |  |
| --- | --- |
| **Name** | **Coding** |
| hotair-1 | TGTGGAAGCTTTCGGATCAA |
| hotair-2 | TTAGGGACCTGAGGGTCTAA |
| hotair-3 | AAATCCGTTCCATTCCACTG |
| hotair-4 | AATAAAGACGCCCCTCCTTC |
| hotair-5 | TTTCAGCCTTTTCTCTGCCA |
| hotair-6 | GGTGTAATTGCTGGTTTAGG |
| hotair-7 | TAAACCTCTGTCTGTGAGTG |
| hotair-8 | AGGTTTTTCCAGCGTTCTCT |
| hotair-9 | ATTAATTAGCGCCTCCCAGT |
| hotair-10 | CTGTTTGGGCCTCCTAAAAT |