**Table S1. List of primers sequences**

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| **Primers for qRT-PCR** |
| **Gene** | **Sequence (5’-3’)** |
| *Actin* | Fw: CTGTCCCTGTATGCCTCTG |
| Rev: ATGTCACGCACGATTTCC |
| *GATA2-AS1* | Fw: ACGCCACATGACCTTTCCTT |
| Rev: ACAGTGCCCTTTCGTGATGA |
| *GATA2* | Fw: GATACCCACCTATCCCTCCTATGTG |
| Rev: GGCACCACAGTTGACACACTC  |
| *Nrf1* | Fw: GCTGGACACCATCCTGAATC |
| Rev: CCTTCTGCTTCATCTGTCGC |
| *PSMA3* | Fw: GGCTGCAGTTTCATGTTAGGG |
| Rev: ATGGCACAGCCCCAATAACC |
| *PSMA4* | Fw: TAGCAGCGGTTATTCGGAACT |
| Rev: GGATGTTGCGTCTCTCTGCT |
| *PSMA8* | Fw: GTCTGCATGGCTTTTGCAGT |
| Rev: CAGTGACTGGGTCCTCAACC |
| *TRAF6* | Fw: GATCCAGAGTTTGCCGTCCA |
| Rev: GCTGGGTCCCTTCAGAAGTT |
| *ROCK1* | Fw: TGAAAGCCGCACTGATGGAT |
| Rev: GCCATGAGAAAACACATTGCAG |
| *CDC42* | Fw: GGTGGAGAAGCTGAGGTCAT |
| Rev: TTTACCAACAGCACCATCGC |
| *EPHA3* | Fw: GAAAGGCAGCCAGACTCCTC |
| Rev: ATCCATGTTGCTGGTGCAGA |
| **Primers for ChIP** |
| **Name** | **Sequence (5’-3’)** |
| *GATA2* promoter | Fw: GCATGGCCCTGGTAATAGCA |
| Rev: CAGCCGCACCTTCCCTAA |
| *GATA2-AS1* promoter | Fw: CCAGATCCGGCGAGAAAGAG |
| Rev: CACGGGTGTGTGATTCTGGA |