|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Gene Symbol** | **Region** | **Forward****(5’-3’)** | **Reverse****(5’-3’)** | **Amplicon size (bp)** |
| ***Btk*** | 1 | AAAAATGTTTTTTTAGAAAATGATTTAGTA | ACCCTCTCTAAAACAAAAAAATAAC  | 240 |
| 2 | TGTAAAGAGGTTTTAGGTAAATGT | TTAATACAAATAACTCCCCAAAC  | 300 |
| ***Plek*** | 1 | TTTAGGATTTGTGGGGATAATAAAG | CAACCCATACTTTCCTAATAATAAAAATAA  | 298 |
| 2 | AATTTTTAAGTAGGATAGTTTTAGG | CCTTTTTACAAAAAAATCTCTTTCAC  | 260 |
| 3 | TTTAGAGAGGGGAAAAGGATGTTAT | ACAACCCACATAAATTTCCAAATAT  | 240 |
| ***Was*** | 1 | AATGTAATGGTTTTTTAGTATTTGGAGTT | TTCCTTCTAACAAACTTAAATCAACCT  | 196 |
| 2 | TAAGTTTGTTAGAAGGAAATGGTTT | ACTACCTTCTACCTTAATCCTCTCCA | 282 |
| 3 | TTTTGAAGGAGAAGTTTTGTAGATG | TCTAAAACAAACATAAACCCTCCTC | 203 |

**Table S4.** *List of primers used for bisulfite analysis*