|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | forward primer | reverse primerA | sequencing primer | size (bp) |
| *GAPDH* | GGAAAAAAAAAAGAGGGGAGAAAGTAGG | [Btn]CCCAACCCAAAATCTTAAAACCTAAACTA | GGGAGAAAGTAGGGT | 88 |
| *CD74* | TTATTTATAGATAGGGATATAGGGGTTTTT | [Btn]ATTCTCCTAAATCTAAACCACACAA | GGGTTTTTGTTTAGGATTATAT | 121 |
| *FAM38A* | GGGGATTTAGAGTAGTTTGTTTGAGGTTTT | [Btn]TTCCCCAAATTTCACCACCTTTCT | AGAGTAGTTTGTTTGAGGTTTTTA | 83 |
| *RPP21* | GGTTGTTTTTTAAAAGTTATTATTTATTGT | [Btn]ATTAAATTCCTAACCCCACTTACACAAACT | ATTATTTATTGTTTATATTGGAAGA | 104 |
| *HLA-DMA* | TAGGAGGGAGGAGAAGGTAG | [Btn]ACCACCTCCTAACAAAATACTAC | GTTTTGGGGGTTTATTTG | 92 |

**Table S2. Pyrosequencing oligonucleotides**

**A** Btn, biotinylated