**Table S5.** PCR primer sequences.

| Primer | 5' – 3' sequence (forward / reverse) | Remark |
|---|---|---|
| **VH3 consensus (FR1) / degenerate JH** | TGTAAAACGACGGCCAGTCTGGGGGGTCCCTGAGACTCTCCTG / TGGAATTCCA(G/T)GGT(G/C/T)CT(T/C)GGCCCCAG | M13F at 5'-end / EcoRI at 5'-end |
| **Nested BCL2** | CAGCCTTGAAACATTGATGG / ACCTGAGGAGACGGTGACC<br>TCTATGGTGGTTTGACCTTTAG / ACCAGGGTCCCTTGGCCCCA | Initial amplification<br>Second amplification |
| **BCL2/IgH 115 bp PCR** | GCCCCAGACGTCCATGTAGTAG / TGGTGGTTTGACCTTTAGAGAGTTG | |
| **GAPDH 137 bp PCR** | GGCTCCCACCTTTCTCATCC / TCCCCACATCACCCCTCTAC | |
| **BCL2 forward / JH32 reverse** | TGGTGGTTTGACCTTTAGAGAGTTG / ACCTGAGGAGACGGTGACCAGGGT | Used for RQ-PCR<br>JH32 targets 6 different JH regions including the patients' BCL2/JH6 |
| **RQ PCR probe for BCL2 translocation** | [6~FAM]CCTGGTCACCGTCTCCTCAGGTAAGG[TAMRA~6] | Patient specific, spanning junction region |
| **gVH3-66 326bp** | TGGAGTCTGGAGGAGGCTTG / GCAGGGAGGTTTGTGTCTGG | Germline VH3-66 gDNA primer |
| **gVH3-66 548 bp** | ATTCCGAGGTGTTTCCATTCAG / GCAGGGAGGTTTGTGTCTGG | |
| **ATP6V1B2 R400Q** | CTTGCCAGGAAGAGACAGTAGG / TGGATGGGGAAGAGAGAAGTG | genomic DNA primers, used for Sanger and ultra-deep sequencing |
| **ARID1A R1276X** | TGTTCACCGCTTGCCTTTC / GCCCCAGTGCTCATGTTTC | |
| **BCL2 S203N and BCL2 *206R** | GTGGGGTCATGTGTGTGGAG / TTATCGGTCAGGTTGGGAGTG | |
| **C10orf120 Q181H** | ATTCCTCTCCTTGTGCTATTTGTG / CCTCCTCTTTCTTATCTTGGTTGG | |
| **CTSS M185V** | TTTAGGGTTCTTGTGGTGCTTG / ACCATGGCTTTGTAGGGATAGG | |
| **EP300 V1148_F1149del** | TATCAGGAGCCCTGGCAGTATG / CTTTCTGCCACAACAGTATCCAAG | |
| **FGF23 A12T** | TGCAAGGGAGAAGGAAAAGG / CTTGTGGATCTGCAGGTGGTAG | |
| **GCLC R423K** | TCCTGGATGTGTGAAAAGTTGG / GATGAACAGCTGGCGAAAGAG | |
| **GLI2 G1083R** | CGCCTAGCATCAGCGAGAAC / CCCAAAGCCTAACTGGCATC | |
| **GPR112 W71R** | AGCCTGATAGATACCATTCCTGAAC / TTTGCCCTTCACACCATCC | |
| **GPR116 S494I** | TCCCCAGAGATACTACACATTGAAC / CTTTCACTCACCATTCCACTCC | |
| **HIST1H3G A115T** | GCGAGAAATCGCTCAGGAC / AATTACTGCCCGGAAACCTCTAC | |
| **HMCN1 T5167M** | TCTTGGGCTGGGTGTTCTTC / TCTCCCTTTTATGTGGTCCCTTC | |
| **KLHL6 K485_T486insKKT** | AGCCATTACTCACCAACGACATAG / AGCCACCAGCCATAAGAAGAAG | |
| **PLCE1 S1151T** | CCTCTCTGGTTTGTATTTGGTTCTG / CCTGGATGGGCTCTTGTTTG | |
| **SHANK2 R374Q** | TGATGAGGGAGAAGGGGATG / ATGGTCGGGATAGGGATGG | |
| **TAIP-2 V12A** | AATGCTCTGTTGCTCTCCTTCC / GTCCCCACTGTCAGCACTTTC | |
| **TIGD6 C307Y** | AGGATGAAGAGGGCGGAAC / TGTGGATGGCTTGACTGACC | |
| **TLN2 T588M** | TTTGATGGGGATGGTTCTTTTC / ATTGCTTGCCTCTGGAGCTTAC | |
| **RAFTLIN V254M** | GCGTCACTGGAGAATGAGAAAC / TCAAAACTCCCATTGCTGACATAC | |
| **BCL2** | TGTGGATGACTGAGTACCTGAACC / TTATTTCGCCGGCTCCAC | cDNA primers |
| **KLHL6** | GACCTACGACCCCTTTCACAAC / CATGGCCGCCTTCAAAC | |