**Table 2. *RB1* and *MYCN* status in retinoblastoma tumors and cell lines.**

| **Series** | **Sample** | **RB1 mutation and AA Change** | **VAF** | **RB1 Copy Number** | **RB1 Allelic Imbal** | **MYCNA** | **RB1 Hits Detected & MYCN Status** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **CHLA-VC-RB** | RB14-CL |  |  | 0 |  |  | 2 deletions |
| RB14-T |  |  | 0 |  |  | 2 deletions |
| RB20-CL |  |  | 2 | 0.960 |  | *RB1* Promoter Methylation + LOH |
| RB20-T |  |  | 2 | 1.000 |  | *RB1* Promoter methylation\* LOH |
| RB24-CL |  |  | 1 | 0.970 | Yes | MYCNA  + *RB1* deletion |
| RB24-T |  |  | 2 |  | Yes | MYCNA |
| RB28-CL | ex21:c.2174dupT:p.V725fs  ex8:c.C769T:p.Q257X | 0.444  0.510 | 2 |  |  | 1 SNV + 1 INDEL |
| RB28-T | ex21:c.2174dupT:p.V725fs  ex8:c.C769T:p.Q257X | 0.553  0.470 | 2 |  |  | 1 SNV + 1 INDEL |
| RB29-CL | ex4:c.G409T:p.E137X | 1.000 | 2 | 1.000 |  | 1 SNV w/ CN-LOH |
| RB29-T | ex4:c.G409T:p.E137X | 1.000 | 2 | 1.000 |  | 1 SNV w/ CN-LOH |
| RB31-CL | ex18:c.C1735T:p.R579X | 1.000 | 1 | 1.000 |  | 1 SNV + 1 deletion |
| RB31-T | ex18:c.C1735T:p.R579X | 0.791 | 1 | 0.930 |  | 1 SNV + 1 deletion |
| RB33-CL | ex17:c.C1654T:p.R552X | 0.710 | 1 |  |  | 1 SNV + 1 deletion |
| RB33-T | ex17:c.C1654T:p.R552X | 0.935 | 1 | 0.9 |  | 1 SNV w/ CN-LOH+ 1 deletion |
| RB41-CL |  |  | 2 | 0.990 | Low level | 0 w/ CN-LOH  + *MYCNA* |
| RB41-T |  |  | 2 | 0.980 |  | 0 w/ CN-LOH |
| RB43-CL | ex14:c.C1363T:p.R455X | 1.000 | 2 | 1.000 |  | 1 w/ CN-LOH |
| RB43-T | ex14:c.C1363T:p.R455X | 0.790 | 2 | 0.98 |  | 1 w/ CN-LOH |
| RB46-CL | ex10:c.C958T:p.R320X  ex17:c.1656\_1680del:p.R552fs | 0.560  0.250 | 2 |  |  | 1 SNV + 1 INDEL |
| RB46-T | ex10:c.C958T:p.R320X  ex17:c.1656\_1680del:p.R552fs | 0.585  0.320 | 2 |  |  | 1 SNV + 1 INDEL |
| RB48-CL | ex6:c.608+1G>T  ex13:c.1216-3A>G | 0.470  0.510 | 2 |  |  | 2 SNVs |
| RB48-T | ex6:c.608+1G>T  ex13:c.1216-3A>G | 0.510  0.470 | 2 |  |  | 2 SNVs |
| RB49-CL |  |  | 0 | 1.000 |  | 2 deletions |
| RB49-T |  |  | 0 | 0.920 |  | 2 deletions |
| **CHLA-RB** | RB-167-CL | ex19:c.G1960A:p.V654M  ex18:c.C1735T:p.R579X | 0.495  0.488 | 2 |  |  | 2 SNVs |
| RB-173-CL |  |  | 2 |  | Yes | MYCNA |
| RB-192-CL |  |  | 2 | 0.950 |  | 0 w/ CN-LOH |
| RB-193-CL | ex17:c.C1654T:p.R552X  ex11:c.C1072T:p.R358X | 0.487  0.360 | 2 |  |  | 2 SNVs |
| RB-194-CL | ex10:c.C958T:p.R320X | 1.000 | 2 | 0.950 |  | 1 SNV w/ CN-LOH |
| RB-196-CL | ex17:c.C1654T:p.R552X  ex23:c.C2359T:p.R787X | 0.500  0.495 | 2 |  | Low level | 2 SNV w/ MYCNA |
| RB-203-CL | ex11:c.1119dupT:p.T373fs | 1.000 | 2 | 0.940 |  | 1 INDEL w/ CN-LOH |
| RB-204-CL |  |  | 0 |  |  | 2 deletions |
| RB-215-CL | ex10:c.990\_1038del:p.D330fs | 1.000 | 2 | 0.950 |  | 1 INDEL w/ CN-LOH |
| RB-222-CL | ex19:c.A1831T:p.R611X | 1.000 | 1 |  |  | 1 SNV + 1 deletion |
| RB-223-CL |  |  | 2 |  | Yes | MYCNA |
| RB-224-CL |  |  | 0 |  |  | 2 deletions |
| RB-229-CL |  |  | 2 | 0.960 |  | 0 w/ LOH |
| RB-279-CL | ex3:c.297\_304del:p.W99fs | 0.962 | 2 | 0.920 |  | 1 INDEL w/ CN-LOH |
| RB-292-CL |  |  | 1 | 0.880 |  | 1 deletion |

**Table 2. *RB1* and *MYCN* status in retinoblastoma tumors and cell lines.** *RB1* mutations and amino acid (AA) changes, variant allele frequency (VAF), copy number, allelic imbalance (AI, shown if mirrored B allele frequency (mBAF) spanning *RB1* is > 0.56 , *MYCN* amplification (*MYCNA*), and *RB1* hits detected and *MYCN* status. CN-LOH, copy-neutral loss of heterozygosity.