Suppl Table 5. The differential percentage of mutated genes

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Gene** | **Low\_MUT** | **High\_MUT** | **Low\_WT** | **High\_WT** | **Low\_MUT\_percentage** | **High\_MUT\_percentage** | **pvalue** |
| PKHD1L1 | 0 | 12 | 93 | 93 | 0.0% | 11.4% | 0.000  |
| AKAP6 | 0 | 8 | 93 | 97 | 0.0% | 7.6% | 0.007  |
| GRID1 | 6 | 0 | 87 | 105 | 6.5% | 0.0% | 0.010  |
| CSMD3 | 6 | 20 | 87 | 85 | 6.5% | 19.0% | 0.011  |
| TRIM51 | 0 | 7 | 93 | 98 | 0.0% | 6.7% | 0.015  |
| CIT | 0 | 7 | 93 | 98 | 0.0% | 6.7% | 0.015  |
| FBN1 | 0 | 7 | 93 | 98 | 0.0% | 6.7% | 0.015  |
| PER1 | 0 | 7 | 93 | 98 | 0.0% | 6.7% | 0.015  |
| USP34 | 0 | 7 | 93 | 98 | 0.0% | 6.7% | 0.015  |
| MCF2L2 | 5 | 0 | 88 | 105 | 5.4% | 0.0% | 0.022  |
| EPHA5 | 5 | 0 | 88 | 105 | 5.4% | 0.0% | 0.022  |
| RINT1 | 5 | 0 | 88 | 105 | 5.4% | 0.0% | 0.022  |
| DPP4 | 5 | 0 | 88 | 105 | 5.4% | 0.0% | 0.022  |
| MCM3AP | 0 | 6 | 93 | 99 | 0.0% | 5.7% | 0.031  |
| MGAM | 0 | 6 | 93 | 99 | 0.0% | 5.7% | 0.031  |
| SPTBN2 | 0 | 6 | 93 | 99 | 0.0% | 5.7% | 0.031  |
| DGKB | 0 | 6 | 93 | 99 | 0.0% | 5.7% | 0.031  |
| DMBT1 | 0 | 6 | 93 | 99 | 0.0% | 5.7% | 0.031  |
| ZAN | 0 | 6 | 93 | 99 | 0.0% | 5.7% | 0.031  |
| PLXNA2 | 0 | 6 | 93 | 99 | 0.0% | 5.7% | 0.031  |
| ALMS1 | 2 | 10 | 91 | 95 | 2.2% | 9.5% | 0.037  |
| FLG | 4 | 14 | 89 | 91 | 4.3% | 13.3% | 0.045  |
| ATXN2L | 4 | 0 | 89 | 105 | 4.3% | 0.0% | 0.047  |
| TTC17 | 4 | 0 | 89 | 105 | 4.3% | 0.0% | 0.047  |
| CD209 | 4 | 0 | 89 | 105 | 4.3% | 0.0% | 0.047  |
| OVGP1 | 4 | 0 | 89 | 105 | 4.3% | 0.0% | 0.047  |
| ANKRD30A | 4 | 0 | 89 | 105 | 4.3% | 0.0% | 0.047  |
| IGHG2 | 4 | 0 | 89 | 105 | 4.3% | 0.0% | 0.047  |
| BCAS1 | 4 | 0 | 89 | 105 | 4.3% | 0.0% | 0.047  |
| CDH17 | 4 | 0 | 89 | 105 | 4.3% | 0.0% | 0.047  |
| ATRIP | 4 | 0 | 89 | 105 | 4.3% | 0.0% | 0.047  |
| SPEF2 | 4 | 0 | 89 | 105 | 4.3% | 0.0% | 0.047  |
| CNTNAP4 | 4 | 0 | 89 | 105 | 4.3% | 0.0% | 0.047  |
| SOX5 | 4 | 0 | 89 | 105 | 4.3% | 0.0% | 0.047  |
| AXL | 4 | 0 | 89 | 105 | 4.3% | 0.0% | 0.047  |
| DDX43 | 4 | 0 | 89 | 105 | 4.3% | 0.0% | 0.047  |
| SARDH | 4 | 0 | 89 | 105 | 4.3% | 0.0% | 0.047  |
| SLCO1C1 | 4 | 0 | 89 | 105 | 4.3% | 0.0% | 0.047  |
| TEKT5 | 4 | 0 | 89 | 105 | 4.3% | 0.0% | 0.047  |
| PRMT8 | 4 | 0 | 89 | 105 | 4.3% | 0.0% | 0.047  |
| ANKAR | 4 | 0 | 89 | 105 | 4.3% | 0.0% | 0.047  |
| ELMSAN1 | 4 | 0 | 89 | 105 | 4.3% | 0.0% | 0.047  |
| KRAS | 4 | 0 | 89 | 105 | 4.3% | 0.0% | 0.047  |
| CDK12 | 8 | 2 | 85 | 103 | 8.6% | 1.9% | 0.048  |