

WES SONIC HEDGEHOG MEDULLOBLASTOMA DG 3.1

| Gene | Median coverage | % covered >10x | % covered >20x | OMIM disease ID |
|---------|-----------------|----------------|----------------|--|
| BRCA2 | 119.2 | 99.8 | 98.5 | 612555;155255 |
| ELP1 | 149.3 | 99.8 | 99.0 | 155255 |
| GPR161 | 186.4 | 100.0 | 100.0 | 155255 |
| PALB2 | 182.1 | 100.0 | 100.0 | 114480;610832;613348 |
| PTCH1 | 127.2 | 99.2 | 97.6 | 155255;109400 |
| PTCH2 | 118.2 | 99.9 | 99.0 | 155255;109400 |
| SMARCB1 | 210.4 | 100.0 | 100.0 | 614608;162091;609322 |
| SUFU | 153.1 | 100.0 | 100.0 | 155255;109400;607174 |
| TP53 | 113.9 | 99.9 | 97.7 | 114480;151623;260350;137800;202300;114500;614740;607107;259500 |

Gene symbols used follow HGCN guidelines: Gray KA, Yates B, Seal RL, Wright MW, Bruford EA. *Nucleic Acids Res.* 2015 Jan;43(Database issue):D1079-85.

Median Coverage describes the average number of reads seen across 50 exomes.

% Covered 10x describes the percentage of a gene's coding sequence that is covered at least 10x.

% Covered 20x describes the percentage of a gene's coding sequence that is covered at least 20x.

Genes with Median Coverage and % Covered 10x/20x denoting NC are non-coding genes for which coverage statistics could not be generated.

OMIM release used for OMIM disease identifiers and descriptions : October 1st, 2016.

Ad 1. "No OMIM phenotype" signifies a gene without a current OMIM association Ad 2. OMIM phenotype descriptions between {} signify risk factors