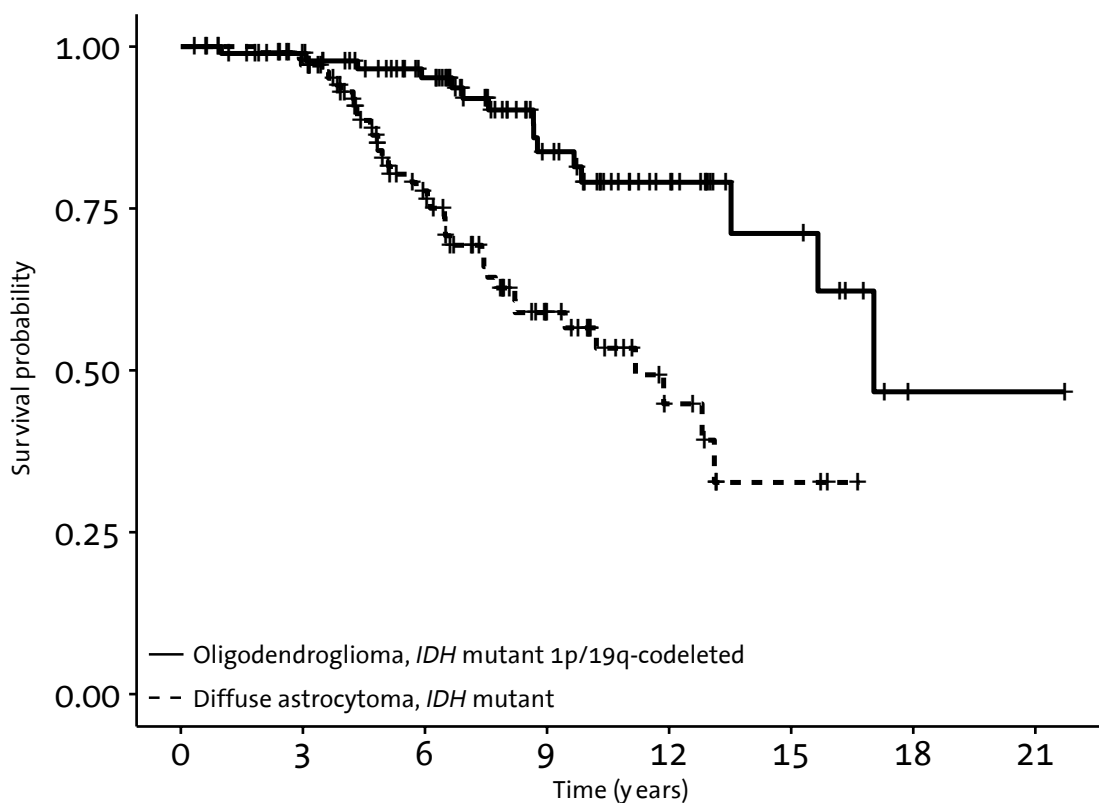


# Supplementary table 1

## overview of targeted genes and chromosomes

Whole gene	Hotspots	SNPs	SNaPshot
<i>TP53</i>	<i>EGFR</i> (exon 3+15)	chr1	TERT promoter
<i>FUBP1</i>	<i>H3F3A</i> (exon 2)	chr10 (including <i>PTEN</i> )	
<i>PTEN</i>	<i>IDH2</i> (exon 4)	chr12 (including <i>MDM2</i> )	
<i>CIC</i>	<i>IDH1</i> (exon 4)	chr19	
<i>CDKN2A</i>	<i>PIK3CA</i> (exon 10 + 21)	chr7 (including <i>EGFR</i> and <i>MET</i> )	
<i>NOTCH1</i>	<i>BRAF</i> (exon 11+15)	chr9 (including <i>CDKN2A</i> )	
<i>ATRX</i>		chrY	

# Supplementary figure 1



### Number at risk

—	95	88	69	38	20	9	1	1
- -	112	101	59	27	9	3	0	0

Kaplan-Meier plot with overall survival stratified by WHO 2016 molecular subgroup. *IDH* mutated 1p/19q-codeleted patients have significantly longer overall survival (median OS 17.0 years) compared to *IDH* mutated astrocytoma patients (median OS 11.2 years) (Log rank test:  $P < 0.0001$ ).