

Additional File 1. Phred scores for Sanger sequencing of the heterozygous mutant (red font) and surrounding homozygous wt nucleotides. Normal control sample is shown on the top (green fill). Phred scores for both forward and reverse sequencing reactions are shown. Note that a heterozygous nucleotide would usually affect (decrease) phred scores of a few adjacent wt homozygous nucleotides.

Sample_ID/Nucleotide	C	T	T	G	C	A/C	G	G	G	C	C
Normal Control, Forward	61	61	61	61	61	61	61	61	61	59	61
Normal Control, Reverse	61	59	61	61	61	61	61	61	61	61	61
Germline, Forward	61	61	59	61	52	39	44	59	59	61	61
Germline, Reverse	61	61	52	52	59	43	59	59	49	61	55
Grade I tumor, Forward	61	61	55	61	49	36	45	59	61	59	61
Grade I tumor, Reverse	61	61	19	23	31	13	39	39	24	61	59
Grade II-1 tumor, Forward	61	61	59	61	52	45	49	59	61	61	61
Grade II-1 tumor, Reverse	61	61	28	27	37	23	43	43	28	61	55
Grade II-2 tumor, Forward	61	59	59	61	52	49	52	59	61	61	61
Grade II-2 tumor, Reverse	61	61	28	27	36	24	35	45	34	59	37
Grade II-3 tumor, Forward	61	61	59	61	52	49	52	59	61	61	61
Grade II-3 tumor, Reverse	59	61	24	22	33	23	43	43	24	61	61
Grade II-4 tumor, Forward	59	59	61	61	59	52	52	59	59	44	59
Grade II-4 tumor, Reverse	52	52	28	27	38	28	43	43	28	36	59