











Protein	Sequence	Residue Number
P53	---	394
NF1	LIVKFLDAL---TDTYLP---GTDEETSE--ESLLTPTSPYPPALQSQLSITANLNLSNMTSLATSQH---SPGIDKEN	2777
BRCA2	RALDFLSRLPLPPP-VSP---ICTFVS-PAAQKAFQPPRSCGTYETPIKKKELNSPQMTFPKKFNEISLLESNSTADEELALINTQALLSGSTG-EKQF	3362
CDKN2A	---	157
MLH1	IVYKALRSIHLPKPKHFTEDGNILQLANLPDLYKVF---	753
RB1	--YKISEGLPTPTK-MTPRSRIIVSIG---ESF---GTSEKFQK---INQMVCSNDRVLKRSAEGSNPPKPLKKLR	876
Consensus	XXYKFLXXLLPLPKK-XTPXXXILTXXX-PXXXKXF---GTXEETXX-XXXLXXXXXXPXXXXXZJGJXXNXXXXXNSXXXLXXSQXXXXXSXGJXXXX	2951

Protein	Sequence	Position
P53	VELS-----PTTGHGNSGRTRHGSGASQVQKQRSAGSFKRN-SIKKIV*	394
NF1	ISVSESTRITAPTSSDYLRLLKRRCTTSLIKEQESSQASTECEKKNQDITTTKKY*	2819
BRCA2	ISVSESTRITAPTSSDYLRLLKRRCTTSLIKEQESSQASTECEKKNQDITTTKKY*	3419
CDKN2A	FDIEGSD---ADGSKHLPGESKFQOKLAEMTSTRTRMQOKQMNDSDMT-SNKEEK*	157
MLH1	FDIEGSD---ADGSKHLPGESKFQOKLAEMTSTRTRMQOKQMNDSDMT-SNKEEK*	757
RB1	FDIEGSD---ADGSKHLPGESKFQOKLAEMTSTRTRMQOKQMNDSDMT-SNKEEK*	929
Consensus	XXXSXSSX--XXXXXXLPXXXXCXXXLXXXXSXSSQXXXXXXXXXXXXDT-SXKXXX*	3004