

3.

a.

Homo sapiens BRCA1 DNA repair associated (BRCA1), transcript variant 6, n

Sequence ID: [NR_027676.2](#) Length: 7152 Number of Matches: 1

Range 1: 87 to 106 [GenBank](#) [Graphics](#)

▼ [Next Match](#) ▲ [Previous Match](#)

Score	Expect	Identities	Gaps	Strand
37.4 bits(40)	1.0	20/20(100%)	0/20(0%)	Plus/Minus
Query	57	GGACTCTACTACCTTTACCC	76	
Sbjct	106	GGACTCTACTACCTTTACCC	87	

Homologous sequence :

```
Query  57      GGACTCTACTACCTTTACCC  76
          |||||
Sbjct  106      GGACTCTACTACCTTTACCC  87
```

Gene name:

NR_027676.2

Location: 87-106

Significance rate: 100%

b.

BRAF protein, partial [Homo sapiens]

Sequence ID: [ADQ00186.1](#) Length: 39 Number of Matches: 1

[See 4 more title\(s\)](#) ▼ [See all Identical Proteins\(IPG\)](#)

Range 1: 1 to 39 [GenPept](#) [Graphics](#)

▼ [Next Match](#) ▲ [Previous Match](#)

Score	Expect	Method	Identities	Positives	Gaps
80.9 bits(198)	5e-22	Compositional matrix adjust.	39/39(100%)	39/39(100%)	0/39(0%)
Query 1	IFLHEDLTVKIGDFGLATVKSRWSGSHQFEQLSGSILWM		39		
	IFLHEDLTVKIGDFGLATVKSRWSGSHQFEQLSGSILWM				
Sbjct 1	IFLHEDLTVKIGDFGLATVKSRWSGSHQFEQLSGSILWM		39		

Function: The B-Raf protein is involved in sending signals inside cells which are involved in directing cell growth

Accession number: ADQ00186.1

E-value: $5e^{-22}$