c.20C/T
p.Ser2_Met7del

c.21G/A

```
gKRTAP15-1*A  gaactcagaactcccaacagcATGTCTTTCAACTGTAGCACGGGAAACTTCTCCCGTTCCCTTGGAGGTTACTTGGGAGTCCCAGTTTCCACCTGTGATT
gKRTAP15-1*D  ------------------------------------------------------------------------------------------------------
gKRTAP15-1*B  ------------------------------------------------------------------------------------------------------
gKRTAP15-1*C  ------------------------------------------------------------------------------------------------------
gKRTAP15-1*E  ------------------------------------------------------A-----------------------------------------------
gKRTAP15-1*F  ------------------------------------------------------ATG---------------------------------------------
sKRTAP15-1*A  ------------------------------------------------------------------------------------------------------
sKRTAP15-1*C  ------------------------------------------------------------------------------------------------------
sKRTAP15-1*D  ------------------------------------------------------------------------------------------------A-------
sKRTAP15-1*B  ------------------------------------------------------------------------------T-----------------------
```

c.133A/G
p.Thr45Ala

c.171C/T

```
gKRTAP15-1*A  CTTTCTACCCCAGCAATGTTGTCTACTCCCCCAGCACTTTCCAGCTGGGCTCCACTCTCTACAGTGACTGTCAGGAGAACTTCTTTAGGCCCGTCAGCTT
gKRTAP15-1*D  ------------------------------------------------------------------------------------------------T--------
gKRTAP15-1*B  ------------------------------------------------------------------------------------------------------
gKRTAP15-1*C  ------------------------------------------------------------------------G-----------------------------
gKRTAP15-1*E  ------------------------------------------------------------------------------------------------------
gKRTAP15-1*F  ------------------------------------------------------------------------------------------------------
sKRTAP15-1*A  ------------------------------------------------------------------------------A-------------------T--------
sKRTAP15-1*C  ------------------------------------------------------------------------------A-------------------T--------
sKRTAP15-1*D  ------------------------------------------------------------------------------A-------------------T--------
sKRTAP15-1*B  ------------------------------------------------------------------------------A-------------------T--------
```

c.229C/T
p.Pro77Ser

c.245T/C
p.Ser82Phe

```
gKRTAP15-1*A  CCAGACACCCTGTGCTGTGACCAGATCTTTCCAGACATCCTGCTCCCATCCACAGAATTTCATCTTCCGCAGTCCCTGCCAGACAATTTACACTGGATCT
gKRTAP15-1*D  ------------------------------------------------------------------------------------------------------
gKRTAP15-1*B  ------------------------------------------------------T---------------C-----------------------------
gKRTAP15-1*C  ------------------------------------------------------T---------------C-----------------------------
gKRTAP15-1*E  ------------------------------------------------------T---------------C-----------------------------
gKRTAP15-1*F  ------------------------------------------------------T---------------C-----------------------------
sKRTAP15-1*A  --------------------------T---------------------------------------------------------------------------
sKRTAP15-1*C  ------------------------------------------------------------------------------------------------------
sKRTAP15-1*D  ------------------------------------------------------------------------------------------------------
sKRTAP15-1*B  ------------------------------------------------------------------------------------------------------
```

c.323G/A
p.Asn108Ser

c.339T/C

```
gKRTAP15-1*A  CTAGGGTCTGGAAATATTGGCCTTGGGTCTTTTGGTTGTGGAAGTACTGGCTTCCAGTCTCTGGGCTGTGGATCCAACTTCTGCTCCCCAACGTACGTTT
gKRTAP15-1*D  ------------------------------------------------------------------------------------------------------
gKRTAP15-1*B  ------------------------------------------A---------------C-----------------------------------------
gKRTAP15-1*C  ------------------------------------------A---------------C-----------------------------------------
gKRTAP15-1*E  ------------------------------------------A---------------C-----------------------------------------
gKRTAP15-1*F  ------------------------------------------A---------------C-----------------------------------------
sKRTAP15-1*A  ----------------------T---------------------A-----------------------------------------------T-------
sKRTAP15-1*C  ----------------------T---------------------A-----------------------------------------------T-------
sKRTAP15-1*D  ----------------------T---------------------A-----------------------------------------------T-------
sKRTAP15-1*B  ----------------------T---------------------A-----------------------------------T--------------T-------
```

```
gKRTAP15-1*A  CCTCCAGGAGTTGCCGGTCATCTTATTACTAAccagcctttagctcacgttttgtgaatcaactttctgaaggactccagtcacctcatggtta
gKRTAP15-1*D  ------------------------------------------------------------------------------------------------
gKRTAP15-1*B  ------------------------------------------------------------------------------------------------
gKRTAP15-1*C  ------------------------------------------------------------------------------------------------
gKRTAP15-1*E  ------------------------------------------------------------------------------------------------
gKRTAP15-1*F  ------------------------------------------------------------------------------------------------
sKRTAP15-1*A  ------------------------------------------------a-----------------------------------------------
sKRTAP15-1*C  ------------------------------------------------a-----------------------------------------------
sKRTAP15-1*D  ------------------------------------------------a-----------------------------------------------
sKRTAP15-1*B  ------------------------------------------------a-----------------------------------------------
```