

SEQUENCE LISTING

<110> UNIVERSIDADE DO MINHO

<120> A NOVEL ONCOGENE BIOMARKER, METHOD AND USES THEREOF

<130> P566.8 WO

<150> PT110707

<151> 2018-04-24

<160> 2

<170> BiSSAP 1.3.6

<210> 1

<211> 1703

<212> RNA

<213> Homo sapiens

<220>

<223> WNT6 mRNA

<400> 1

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| gctcgccgcg ctcgactga agcccgggcc ctcgcgcgcc gcggttcgcc ccgcagcctc | 180 |
| gccccctgcc caccggggcg gccgtagggc ggtcacgatg ctgccgccct taccctcccg | 240 |
| cctcgggctg ctgctgctgc tgctcctgtg cccggcgcac gtcggcggac tgtggtgggc | 300 |
| tgtgggcagc cccttggtta tggaccctac cagcatctgc aggaaggcac ggcggctggc | 360 |
| cgggcggcag gccgagttgt gccaggctga gccggaagtg gtggcagagc tagctcgggg | 420 |
| cgcccggctc ggggtgcgag agtgccagtt ccagttccgc ttccgccgct ggaattgctc | 480 |
| cagccacagc aaggcctttg gacgcatact gcaacaggac attcgggaga cggccttcgt | 540 |
| gttcgccatc actgcggccg gcgccagcca cgccgtcacg caggcctggt ctatgggcga | 600 |
| gctgctgcag tgcggctgcc aggcgccccg cgggcggggc cctccccggc cctccggcct | 660 |
| gcccggcacc cccggacccc ctggccccgc gggctccccg gaaggcagcg ccgcctggga | 720 |

| | |
|--|------|
| gtggggaggc tgcggcgacg acgtggactt cggggacgag aagtcgaggc tctttatgga | 780 |
| cgcgcggcac aagcggggac gcggagacat ccgcgcgttg gtgcaactgc acaacaacga | 840 |
| ggcgggcagg ctggccgtgc ggagccacac gcgcaccgag tgcaaatgcc acgggctgtc | 900 |
| gggatcatgc gcgctgcgca cctgctggca gaagctgcct ccatttcgcg aggtgggctgc | 960 |
| gcggctgctg gagcgcttcc acggcgctc acgcgtcatg ggcaccaacg acggcaaggc | 1020 |
| cctgctgccc gccgtccgca cgctcaagcc gccgggccga gcggacctcc tctacgccgc | 1080 |
| cgattcggcc gacttctgcg cccccaaccg acgcaccggc tccccggca cgcgcggtcg | 1140 |
| cgcttgcaat agcagcgccc cggaacctag cggtgcgac ctgctgtgct gcggccgcg | 1200 |
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| ggcgccagac ggccccgaaa aggcgctcgg ggagcgttta aaggacactg tacaggccct | 1560 |
| ccctcccctt ggctcttagg aggaaacagt tttttagact ggaaaaaagc cagtctaaag | 1620 |
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<210> 2

<211> 365

<212> PRT

<213> Homo sapiens

<220>

<223> WNT6 protein

<400> 2

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Met | Leu | Pro | Pro | Leu | Pro | Ser | Arg | Leu | Gly | Leu | Leu | Leu | Leu | Leu | Leu |
| 1 | | | | 5 | | | | | 10 | | | | | 15 | |
| Leu | Cys | Pro | Ala | His | Val | Gly | Gly | Leu | Trp | Trp | Ala | Val | Gly | Ser | Pro |
| | | | | 20 | | | | | 25 | | | | | 30 | |
| Leu | Val | Met | Asp | Pro | Thr | Ser | Ile | Cys | Arg | Lys | Ala | Arg | Arg | Leu | Ala |

| | | |
|---|-------------------------------------|-----|
| 35 | 40 | 45 |
| Gly Arg Gln Ala Glu Leu Cys | Gln Ala Glu Pro Glu Val Val Ala Glu | |
| 50 | 55 | 60 |
| Leu Ala Arg Gly Ala Arg Leu Gly Val Arg Glu Cys Gln Phe Gln Phe | | |
| 65 | 70 | 75 |
| Arg Phe Arg Arg Trp Asn Cys Ser Ser His Ser Lys Ala Phe Gly Arg | | |
| 85 | 90 | 95 |
| Ile Leu Gln Gln Asp Ile Arg Glu Thr Ala Phe Val Phe Ala Ile Thr | | |
| 100 | 105 | 110 |
| Ala Ala Gly Ala Ser His Ala Val Thr Gln Ala Cys Ser Met Gly Glu | | |
| 115 | 120 | 125 |
| Leu Leu Gln Cys Gly Cys Gln Ala Pro Arg Gly Arg Ala Pro Pro Arg | | |
| 130 | 135 | 140 |
| Pro Ser Gly Leu Pro Gly Thr Pro Gly Pro Pro Gly Pro Ala Gly Ser | | |
| 145 | 150 | 155 |
| Pro Glu Gly Ser Ala Ala Trp Glu Trp Gly Gly Cys Gly Asp Asp Val | | |
| 165 | 170 | 175 |
| Asp Phe Gly Asp Glu Lys Ser Arg Leu Phe Met Asp Ala Arg His Lys | | |
| 180 | 185 | 190 |
| Arg Gly Arg Gly Asp Ile Arg Ala Leu Val Gln Leu His Asn Asn Glu | | |
| 195 | 200 | 205 |
| Ala Gly Arg Leu Ala Val Arg Ser His Thr Arg Thr Glu Cys Lys Cys | | |
| 210 | 215 | 220 |
| His Gly Leu Ser Gly Ser Cys Ala Leu Arg Thr Cys Trp Gln Lys Leu | | |
| 225 | 230 | 235 |
| Pro Pro Phe Arg Glu Val Gly Ala Arg Leu Leu Glu Arg Phe His Gly | | |
| 245 | 250 | 255 |
| Ala Ser Arg Val Met Gly Thr Asn Asp Gly Lys Ala Leu Leu Pro Ala | | |
| 260 | 265 | 270 |
| Val Arg Thr Leu Lys Pro Pro Gly Arg Ala Asp Leu Leu Tyr Ala Ala | | |
| 275 | 280 | 285 |
| Asp Ser Pro Asp Phe Cys Ala Pro Asn Arg Arg Thr Gly Ser Pro Gly | | |
| 290 | 295 | 300 |
| Thr Arg Gly Arg Ala Cys Asn Ser Ser Ala Pro Asp Leu Ser Gly Cys | | |
| 305 | 310 | 315 |
| Asp Leu Leu Cys Cys Gly Arg Gly His Arg Gln Glu Ser Val Gln Leu | | |
| 325 | 330 | 335 |
| Glu Glu Asn Cys Leu Cys Arg Phe His Trp Cys Cys Val Val Gln Cys | | |
| 340 | 345 | 350 |
| His Arg Cys Arg Val Arg Lys Glu Leu Ser Leu Cys Leu | | |
| 355 | 360 | 365 |