

SEQUENZPROTOKOLL

<110> Universitätsklinikum Hamburg Eppendorf

<120> In vitro method for diagnosing male infertility

<130> P 77148

<160> 92

<170> PatentIn version 3.4

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<223> tripartite motif-containing 36 (TRIM36), transcript variant 1, mRNA

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```

<210> 6
<211> 3280
<212> DNA
<213> Homo sapiens

```

```

<223> SRY (sex determining region Y)-box 30 (SOX30), transcript variant 1, mRNA

```

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<210> 7
<211> 1842
<212> DNA
<213> Homo sapiens

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<223> EGFR1 oncogene partner (EGFR1OP), transcript variant 2, mRNA

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<210> 8

<211> 1278

<212> DNA

<213> Homo sapiens

<223> lactate dehydrogenase C (LDHC), transcript variant 1, mRNA

<400> 8

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<210> 9

<211> 1354

<212> DNA

<213> Homo sapiens

<223> testes-specific protease 50 (TSP50), mRNA

<400> 9

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<210> 10

<211> 872

<212> DNA

<213> Homo sapiens

<223> lysozyme-like 6 (LYZL6), mRNA

<400> 10

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<210> 11
<211> 2674
<212> DNA
<213> Homo sapiens

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<223> proprotein convertase subtilisin/kexin type 4 (PCSK4), mRNA

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<210> 12
<211> 1727
<212> DNA
<213> Homo sapiens

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<223> melanoma antigen family A, 4 (MAGEA4), transcript variant 2, mRNA

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```

<210> 13

<211> 594

<212> DNA

<213> Homo sapiens

<223> serine peptidase inhibitor, Kazal type 2 (acrosin-trypsin inhibitor)  
(SPINK2), mRNA

<400> 13

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<210> 14  
<211> 1731  
<212> DNA  
<213> Homo sapiens

<223> maelstrom homolog (Drosophila) (MAEL), mRNA

<400> 14

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<210> 15

<211> 1483

<212> DNA

<213> Homo sapiens

<223> eukaryotic initiation factor 5A isoform II (EIF5A2) alternative mRNA  
 B, complete cds

<400> 15

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<210> 16  
<211> 2323  
<212> DNA  
<213> Homo sapiens

<223> Homo sapiens olfactory receptor, family 4, subfamily N, member 4 (OR4N4)

<400> 16  
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<210> 17  
 <211> 2178  
 <212> DNA

<213> Homo sapiens

<223> ariadne homolog, ubiquitin-conjugating enzyme E2 binding protein, 1  
(Drosophila) (ARIH1), mRNA

<400> 17

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<210> 18
<211> 1836
<212> DNA
<213> Homo sapiens

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<223> coiled-coil domain containing 19 (CCDC19), mRNA

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<210> 19
<211> 726
<212> DNA
<213> Homo sapiens

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<223> chromosome 9 open reading frame 9 (C9orf9), mRNA

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<400> 19
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<210> 20

<211> 9697

<212> DNA

<213> Homo sapiens

<223> HUMCHIKER Human keratin (psi-K-alpha) pseudogene, exons 4,5,6,7 and 8, and keratin (psi-K-beta) pseudogene, complete cds

<400> 20

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<212> DNA

<213> Homo sapiens

<223> ropporin 1-like (ROPN1L), mRNA

<400> 23

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<210> 24

<211> 1397

<212> DNA

<213> Homo sapiens

<223> mitochondrial carrier triple repeat 1 (MCART1), mRNA

<400> 24

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<210> 25

<211> 760

<212> DNA

<213> Homo sapiens

<223> P antigen family, member 5 (prostate associated) (PAGE5), transcript variant 1, mRNA

<400> 25

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<210> 26

<211> 766

<212> DNA

<213> Homo sapiens

<223> ubiquitin-conjugating enzyme E2C (UBE2C), transcript variant 2, mRNA

<400> 26

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agctgtggta tttttgtttt gtttttgtct ttttaaattaa gcctcgggtt agcccttgta 720  
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<210> 27

<211> 1326

<212> DNA

<213> Homo sapiens

<223> ankyrin repeat domain 7 (ANKRD7), transcript variant 2, mRNA

<400> 27

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 aaaaaa 1326

<210> 28  
 <211> 626  
 <212> DNA  
 <213> Homo sapiens

<223> X antigen family, member 1 (XAGE1), transcript variant 1, mRNA

<400> 28  
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<210> 29  
 <211> 2922  
 <212> DNA  
 <213> Homo sapiens

<223> perilipin (PLIN), mRNA

<400> 29  
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<210> 30
<211> 1626
<212> DNA
<213> Homo sapiens

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<223> melanoma antigen family B, 2 (MAGEB2), mRNA

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<400> 30
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aaaaaa 1626

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<210> 31

<211> 1273

<212> DNA

<213> Homo sapiens

<223> chromosome 11 open reading frame 70 (C11orf70), mRNA

<400> 31

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<210> 32
<211> 735
<212> DNA
<213> Homo sapiens

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<223> ribosomal protein L39-like (RPL39L), mRNA

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<400> 32
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aaaaaaaaaa aaaaaa 735

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<210> 33
<211> 1284
<212> DNA
<213> Homo sapiens

```

```

<223> calcium binding tyrosine-(Y)-phosphorylation regulated (fi-
brousheathin 2) (CABYR), transcript variant 3, mRNA

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```

<400> 33
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gtctcaccag agtttgcta cgtcccagct gaccagctc agcttgetgc tcagatgtta 600
gcaatggcaa caagtgaacg aggacaacca ccaccatgtt ctaacatgtg gacctttat 660

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aaagtcactt ttccaaactta tgtgatgggc gacaccaaga agaccagtgc cccacctttt	840
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atcaataaac ttcatgcaag cata	1284

<210> 34

<211> 1625

<212> DNA

<213> Homo sapiens

<223> leucine rich repeat containing 6 (LRRC6), mRNA

<400> 34

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actggagagg cgcacatgggc tggatcacag aagatcttat tagacggaat gctgaacaca	120
acgactgtgt ctttttttcc ctggaggaac tctcgttgca tcagcaagaa atagaaagac	180
tagaacacat tgataaatgg tgccgggatt taaaaattct ctatcttcaa aataatctta	240
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ctgtgaattt cattggagag ctgagcagca ttaaaaactt gcagcacaat atccatctga	420
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ttaaggcatt gcaggactat tcagtaattg aaccacaaat cagagagcag gaaaaagac	600
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tgagacccac caggtccagt tttggttggg ttagagacca tatgcatatt attcctggga    1560
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aaaaa                                             1625

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<210> 35
<211> 627
<212> DNA
<213> Homo sapiens

```

<223> CDC28 protein kinase regulatory subunit 2 (CKS2), mRNA

```

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cggacaagta cttcgacgaa cactacgagt accggcatgt tatgttacc agagaacttt    180
ccaaacaagt acctaaaaat catctgatgt ctgaagagga gtggaggaga cttggtgtcc    240
aacagagtct aggtctgggt cattacatga ttcattgagc agaaccacat attcttctct    300
ttagacgacc tcttccaaaa gatcaacaaa aatgaagttt atctggggat cgtcaaactc    360
ttttcaaatt taatgtatat gtgtatataa ggtagtattc agtgaatact tgagaaatgt    420

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acaaatcttt catccatacc tgtgcatgag ctgtattctt cacagcaaca gagctcagtt 480
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tttctcttaa gtgcctgttt gagtttactg aaacagttta cttttgttca ataaagtttg 600
tatgttgcac ttaaaaaaaaa aaaaaaa 627

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<210> 36
<211> 879
<212> DNA
<213> Homo sapiens

```

<223> chromosome 1 open reading frame 61 (Clorf61), mRNA

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<400> 36
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gtcatcgtag gtggccacct atggcttttg ggaatgtaaa aagggcagct ctctggcatg 120
ttcttgactg aggatctcat aacatttaac ttgaggaact tctctctttt ccagcttttg 180
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<210> 37
<211> 2867
<212> DNA
<213> Homo sapiens

```

<223> A kinase (PRKA) anchor protein 4 (AKAP4), transcript variant 2, mRNA

<400> 37

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caagatgtct gatgatattg actggttacg cagccacagg ggtgtgtgca aggtagatct	180
ctacaacca gaaggacagc aagatcagga cgggaaagtg atatgctttg tcgatgtgtc	240
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cagagcatcc tctgagaact gctacagtgt ctatgccgat caagtgaaca tagattatct	600
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<210> 38

<211> 3482

<212> DNA

<213> Homo sapiens

<223> sapiens EH-domain containing 1 (EHD1), mRNA

<400> 38

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aa 3482

<210> 39  
<211> 1196  
<212> DNA  
<213> Homo sapiens

<223> uncharacterized hematopoietic stem/progenitor cells protein MDS028  
mRNA, complete cds

<400> 39  
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<210> 40  
<211> 1440  
<212> DNA  
<213> Homo sapiens

<223> tumor necrosis factor, alpha-induced protein 6 (TNFAIP6), mRNA

<400> 40  
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<212> DNA  
<213> Homo sapiens

<223> testis-specific kinase substrate (TSKS), mRNA

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<211> 3563
<212> DNA
<213> Homo sapiens

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<223> DDHD domain containing 1 (DDHD1), mRNA

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<210> 43  
 <211> 895  
 <212> DNA  
 <213> Homo sapiens

<223> cystatin 8 (cystatin-related epididymal specific) (CST8), mRNA

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<210> 44

<211> 4743

<212> DNA

<213> Homo sapiens

<223> homeodomain interacting protein kinase 3 (HIPK3), transcript variant 1, mRNA

<400> 44

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<212> DNA
<213> Homo sapiens

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<223> cDNA FLJ10162 fis, clone HEMBA1003560, highly similar to GUANINE
NUCLEOTIDE-BINDING PROTEIN G(I)/G(S)/G(O) GAMMA-2 SUBUNIT

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<223> chromosome 11 open reading frame 71 (C11orf71), mRNA

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