

# QuantiNova® LNA® PCR Focus Panels (96-Well Format and 384-Well [4 x 96] Format)

## Mouse Male Infertility

Cat. no. 249950 SBMM-165ZA

For study focus gene expression analysis

### Shipping and storage

QuantiNova LNA PCR Focus Panels are shipped at ambient temperature. Immediately upon receipt, they should be stored at 2–8°C for short term storage or at –30°C to –15°C for long time storage. Under these conditions, all components are stable for at least 12 months.

**Note:** Open the package and store the products appropriately immediately upon receipt.

For optimal performance, QuantiNova LNA PCR Focus Panels should be used together with the QuantiNova Reverse Transcription Kit for cDNA synthesis and the QuantiNova SYBR® Green PCR Kit (Mastermix) for PCR.

### Panel layout (96-well): QuantiNova LNA PCR Focus Panel

For the 384-well (4 × 96) PCR panels, genes are present in a staggered format. Refer to the QuantiNova LNA PCR System Handbook at [www.qiagen.com](http://www.qiagen.com) for further details.

|   | 1        | 2        | 3        | 4       | 5        | 6       | 7        | 8      | 9      | 10    | 11      | 12      |
|---|----------|----------|----------|---------|----------|---------|----------|--------|--------|-------|---------|---------|
| A | Acsbg2   | Adcy10   | Ahr      | Akap14  | Akap4    | Amh     | Apob     | Ar     | Bcll   | Brd2  | Brdt    | Carhsp1 |
| B | Catsper1 | Catsper4 | Ccnb1    | Cd46    | Cdo1     | Creb1   | Crem     | Crisp2 | Crisp4 | Cul3  | Cyp19a1 | Dazl    |
| C | Ddx25    | Ddx4     | Dmr1     | Dnajb8  | Dnajc28  | Eif2b4  | Eif4g3   | Fas    | Fbxo5  | Fos   | Gli3    | Adgrg2  |
| D | Gpx1     | Hdac1    | Hmox1    | Hsd17b7 | Hsf2     | Hspa4l  | Il16     | Klhl10 | Lama5  | Lep   | Lhcgr   | Lmna    |
| E | Mcm8     | Mllt3    | Ndufs7   | Nfkbia  | Npc2     | Odf1    | Park7    | Pcsk4  | Pdxd8  | Pgk2  | Ptwill  | Plcz1   |
| F | Prdx3    | Prm2     | Serpina5 | Slc25a5 | Slc26a8  | Smarca2 | Sod1     | Sod2   | Spo11  | Spz1  | Srpk1   | Stag3   |
| G | Sycp3    | Tbp      | Tcp11    | Tex11   | Tnp1     | Trim36  | Trpd52l3 | Tsga10 | Ubap2  | Uchl1 | Wapl    | Zp3     |
| H | Actb     | B2m      | Gapdh    | Gusb    | Hsp90ab1 | MGDC    | QIC      | QIC    | QIC    | PPC   | PPC     | PPC     |

## Gene table: QuantiNova LNA PCR Focus Panel

| Position | Assay      | Name                  | Symbol   | Ensembl ID        | Description                                                                                  |
|----------|------------|-----------------------|----------|-------------------|----------------------------------------------------------------------------------------------|
| A01      | SBM0900367 | ENSMUST00000043062.4  | Acsbg2   | ENSMUSG0000024207 | acyl-CoA synthetase bubblgum family member 2 Source MGI Symbol Acc MGI 3587728               |
| A02      | SBM0883968 | ENSMUST00000148550.7  | Adcy10   | ENSMUSG0000026567 | adenylate cyclase 10 Source MGI Symbol Acc MGI 2660854                                       |
| A03      | SBM0733281 | ENSMUST00000110811.2  | Ahr      | ENSMUSG0000019256 | aryl-hydrocarbon receptor Source MGI Symbol Acc MGI 105043                                   |
| A04      | SBM0856397 | ENSMUST00000046557.5  | Akap14   | ENSMUSG0000036551 | A kinase (PRKA) anchor protein 14 Source MGI Symbol Acc MGI 3618288                          |
| A05      | SBM0845046 | ENSMUST00000115750.7  | Akap4    | ENSMUSG0000050089 | A kinase (PRKA) anchor protein 4 Source MGI Symbol Acc MGI 102794                            |
| A06      | SBM0728372 | ENSMUST00000036016.5  | Amh      | ENSMUSG0000035262 | anti-Mullerian hormone Source MGI Symbol Acc MGI 88006                                       |
| A07      | SBM1016873 | ENSMUST00000037520.13 | Apob     | ENSMUSG0000020609 | apolipoprotein B Source MGI Symbol Acc MGI 88052                                             |
| A08      | SBM0829583 | ENSMUST00000052837.8  | Ar       | ENSMUSG0000046532 | androgen receptor Source MGI Symbol Acc MGI 88064                                            |
| A09      | SBM0953135 | ENSMUST00000173983.7  | Boll     | ENSMUSG0000025977 | boule homolog, RNA binding protein Source MGI Symbol Acc MGI 1922638                         |
| A10      | SBM1012466 | ENSMUST00000025193.13 | Brd2     | ENSMUSG0000024335 | bromodomain containing 2 Source MGI Symbol Acc MGI 99495                                     |
| A11      | SBM0986049 | ENSMUST00000161377.1  | Brdt     | ENSMUSG0000029279 | bromodomain, testis-specific Source MGI Symbol Acc MGI 1891374                               |
| A12      | SBM1086394 | ENSMUST00000008537.9  | Carhsp1  | ENSMUSG0000008393 | calcium regulated heat stable protein 1 Source MGI Symbol Acc MGI 1196368                    |
| B01      | SBM0696669 | ENSMUST00000043380.4  | Catsper1 | ENSMUSG0000038498 | cation channel, sperm associated 1 Source MGI Symbol Acc MGI 2179947                         |
| B02      | SBM1030766 | ENSMUST00000169381.7  | Catsper4 | ENSMUSG0000048003 | cation channel, sperm associated 4 Source MGI Symbol Acc MGI 3043288                         |
| B03      | SBM0677113 | ENSMUST00000147790.1  | Ccnb1    | ENSMUSG0000041431 | cyclin B1 Source MGI Symbol Acc MGI 88302                                                    |
| B04      | SBM0870470 | ENSMUST00000159563.7  | Cd46     | ENSMUSG0000016493 | CD46 antigen, complement regulatory protein Source MGI Symbol Acc MGI 1203290                |
| B05      | SBM0858164 | ENSMUST00000234819.1  | Cdo1     | ENSMUSG0000033022 | cysteine dioxygenase 1, cytosolic Source MGI Symbol Acc MGI 105925                           |
| B06      | SBM0735214 | ENSMUST00000188855.6  | Creb1    | ENSMUSG0000025958 | cAMP responsive element binding protein 1 Source MGI Symbol Acc MGI 88494                    |
| B07      | SBM1037952 | ENSMUST00000147138.7  | Creml    | ENSMUSG0000063889 | cAMP responsive element modulator Source MGI Symbol Acc MGI 88495                            |
| B08      | SBM0933255 | ENSMUST00000233679.1  | Crisp2   | ENSMUSG0000023930 | cysteine-rich secretory protein 2 Source MGI Symbol Acc MGI 98815                            |
| B09      | SBM0975484 | ENSMUST00000130669.1  | Crisp4   | ENSMUSG0000025774 | cysteine-rich secretory protein 4 Source MGI Symbol Acc MGI 1925331                          |
| B10      | SBM0969340 | ENSMUST00000168372.1  | Cul3     | ENSMUSG0000004364 | cullin 3 Source MGI Symbol Acc MGI 1347360                                                   |
| B11      | SBM0796819 | ENSMUST00000034811.7  | Cyp19a1  | ENSMUSG0000032274 | cytochrome P450, family 19, subfamily a, polypeptide 1 Source MGI Symbol Acc MGI 88587       |
| B12      | SBM0721500 | ENSMUST00000010736.8  | Dazl     | ENSMUSG0000010592 | deleted in azoospermia-like Source MGI Symbol Acc MGI 1342328                                |
| C01      | SBM1068057 | ENSMUST00000034612.6  | Ddx25    | ENSMUSG0000032101 | DEAD (Asp-Glu-Ala-Asp) box polypeptide 25 Source MGI Symbol Acc MGI 1353582                  |
| C02      | SBM0761086 | ENSMUST00000099166.9  | Ddx4     | ENSMUSG0000021758 | DEAD (Asp-Glu-Ala-Asp) box polypeptide 4 Source MGI Symbol Acc MGI 102670                    |
| C03      | SBM1026172 | ENSMUST00000025755.10 | Dmrt1    | ENSMUSG0000024837 | doublesex and mab-3 related transcription factor 1 Source MGI Symbol Acc MGI 1354733         |
| C04      | SBM1055293 | ENSMUST00000203827.1  | Dnajb8   | ENSMUSG0000048206 | DnaJ heat shock protein family (Hsp40) member B8 Source MGI Symbol Acc MGI 1922801           |
| C05      | SBM0911394 | ENSMUST00000133731.1  | Dnajc28  | ENSMUSG0000039763 | DnaJ heat shock protein family (Hsp40) member C28 Source MGI Symbol Acc MGI 2181053          |
| C06      | SBM1078454 | ENSMUST00000166769.7  | Eif2b4   | ENSMUSG0000029145 | eukaryotic translation initiation factor 2B, subunit 4 delta Source MGI Symbol Acc MGI 95300 |
| C07      | SBM0694489 | ENSMUST00000139759.7  | Eif4g3   | ENSMUSG0000028760 | eukaryotic translation initiation factor 4 gamma, 3 Source MGI Symbol Acc MGI 1923935        |
| C08      | SBM0856649 | ENSMUST00000112472.3  | Fas      | ENSMUSG0000024778 | Fas (TNF receptor superfamily member 6) Source MGI Symbol Acc MGI 95484                      |
| C09      | SBM0930510 | ENSMUST00000142200.1  | Fbxo5    | ENSMUSG0000019773 | F-box protein 5 Source MGI Symbol Acc MGI 1914391                                            |
| C10      | SBM0977461 | ENSMUST00000134311.1  | Fos      | ENSMUSG0000021250 | FBJ osteosarcoma oncogene Source MGI Symbol Acc MGI 95574                                    |
|          |            | ENSMUST000000         |          | ENSMUSG00         |                                                                                              |

| Position | Assay      | Name                  | Symbol   | Ensembl ID        | Description                                                                                                                       |
|----------|------------|-----------------------|----------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| C11      | SBM0853730 | 110510.3              | Gli3     | 000021318         | GLI-Kruppel family member GLI3 Source MGI Symbol Acc MGI 95729                                                                    |
| C12      | SBM0999883 | ENSMUST00000112408.8  | Adgrg2   | ENSMUSG0000031298 | adhesion G protein-coupled receptor G2 Source MGI Symbol Acc MGI 2446854                                                          |
| D01      | SBM0858533 | ENSMUST00000082429.6  | Gpx1     | ENSMUSG0000063856 | glutathione peroxidase 1 Source MGI Symbol Acc MGI 104887                                                                         |
| D02      | SBM0727728 | ENSMUST00000132909.1  | Hdac1    | ENSMUSG0000028800 | histone deacetylase 1 Source MGI Symbol Acc MGI 108086                                                                            |
| D03      | SBM0936413 | ENSMUST00000005548.7  | Hmox1    | ENSMUSG0000005413 | heme oxygenase 1 Source MGI Symbol Acc MGI 96163                                                                                  |
| D04      | SBM0827759 | ENSMUST00000133563.7  | Hsd17b7  | ENSMUSG0000026675 | hydroxysteroid (17-beta) dehydrogenase 7 Source MGI Symbol Acc MGI 1330808                                                        |
| D05      | SBM0809729 | ENSMUST00000079833.5  | Hsf2     | ENSMUSG0000019878 | heat shock factor 2 Source MGI Symbol Acc MGI 96239                                                                               |
| D06      | SBM0694050 | ENSMUST00000203496.2  | Hspa4l   | ENSMUSG0000025757 | heat shock protein 4 like Source MGI Symbol Acc MGI 107422                                                                        |
| D07      | SBM0679719 | ENSMUST00000001792.11 | Il16     | ENSMUSG0000001741 | interleukin 16 Source MGI Symbol Acc MGI 1270855                                                                                  |
| D08      | SBM0703750 | ENSMUST00000107395.2  | Klhl10   | ENSMUSG0000001558 | kelch-like 10 Source MGI Symbol Acc MGI 2181067                                                                                   |
| D09      | SBM0892722 | ENSMUST00000015791.5  | Lama5    | ENSMUSG0000015647 | laminin, alpha 5 Source MGI Symbol Acc MGI 105382                                                                                 |
| D10      | SBM0718370 | ENSMUST00000169505.1  | Lep      | ENSMUSG0000059201 | leptin Source MGI Symbol Acc MGI 104663                                                                                           |
| D11      | SBM0993994 | ENSMUST00000234368.1  | Lhcgr    | ENSMUSG0000024107 | lutinizing hormone/choriogonadotropin receptor Source MGI Symbol Acc MGI 96783                                                    |
| D12      | SBM0903585 | ENSMUST00000120377.7  | Lmna     | ENSMUSG0000028063 | lamin A Source MGI Symbol Acc MGI 96794                                                                                           |
| E01      | SBM0701188 | ENSMUST00000066559.5  | Mcm8     | ENSMUSG0000027353 | minichromosome maintenance 8 homologous recombination repair factor Source MGI Symbol Acc MGI 1913884                             |
| E02      | SBM0802265 | ENSMUST00000148059.1  | Mllt3    | ENSMUSG0000028496 | myeloid/lymphoid or mixed-lineage leukemia translocated to, 3 Source MGI Symbol Acc MGI 1917372                                   |
| E03      | SBM0759294 | ENSMUST00000020361.6  | Ndufs7   | ENSMUSG0000020153 | NADH ubiquinone oxidoreductase core subunit S7 Source MGI Symbol Acc MGI 1922656                                                  |
| E04      | SBM0696431 | ENSMUST00000021413.8  | Nfkbia   | ENSMUSG0000021025 | nuclear factor of kappa light polypeptide gene enhancer in B cells inhibitor, alpha Source MGI Symbol Acc MGI 104741              |
| E05      | SBM0730049 | ENSMUST00000021668.9  | Npc2     | ENSMUSG0000021242 | NPC intracellular cholesterol transporter 2 Source MGI Symbol Acc MGI 1915213                                                     |
| E06      | SBM0997876 | ENSMUST00000081966.4  | Odf1     | ENSMUSG0000061923 | outer dense fiber of sperm tails 1 Source MGI Symbol Acc MGI 97424                                                                |
| E07      | SBM1060425 | ENSMUST00000128075.7  | Park7    | ENSMUSG0000028964 | Parkinson disease (autosomal recessive, early onset) 7 Source MGI Symbol Acc MGI 2135637                                          |
| E08      | SBM0904634 | ENSMUST00000137177.7  | Pcsk4    | ENSMUSG0000020131 | proprotein convertase subtilisin/kexin type 4 Source MGI Symbol Acc MGI 97514                                                     |
| E09      | SBM0963171 | ENSMUST00000099274.3  | Pdzd8    | ENSMUSG0000074746 | PDZ domain containing 8 Source MGI Symbol Acc MGI 2677270                                                                         |
| E10      | SBM0842463 | ENSMUST00000033585.6  | Pgk2     | ENSMUSG0000031233 | phosphoglycerate kinase 2 Source MGI Symbol Acc MGI 97563                                                                         |
| E11      | SBM0921964 | ENSMUST00000195959.1  | Piwi1    | ENSMUSG0000029423 | piwi-like RNA-mediated gene silencing 1 Source MGI Symbol Acc MGI 1928897                                                         |
| E12      | SBM0684410 | ENSMUST00000032356.12 | Plcz1    | ENSMUSG0000030230 | phospholipase C, zeta 1 Source MGI Symbol Acc MGI 2150308                                                                         |
| F01      | SBM0768883 | ENSMUST00000025961.6  | Prdx3    | ENSMUSG0000024997 | peroxiredoxin 3 Source MGI Symbol Acc MGI 88034                                                                                   |
| F02      | SBM0737137 | ENSMUST00000189593.1  | Prrm2    | ENSMUSG0000038015 | protamine 2 Source MGI Symbol Acc MGI 97766                                                                                       |
| F03      | SBM1031101 | ENSMUST00000021495.3  | Serpina5 | ENSMUSG0000041550 | serine (or cysteine) peptidase inhibitor, clade A, member 5 Source MGI Symbol Acc MGI 107817                                      |
| F04      | SBM0951976 | ENSMUST00000126608.1  | Slc25a5  | ENSMUSG0000016319 | solute carrier family 25 (mitochondrial carrier, adenine nucleotide translocator), member 5 Source MGI Symbol Acc MGI 1353496     |
| F05      | SBM0941717 | ENSMUST00000233398.1  | Slc26a8  | ENSMUSG0000036196 | solute carrier family 26, member 8 Source MGI Symbol Acc MGI 2385046                                                              |
| F06      | SBM0913920 | ENSMUST00000099537.8  | Smarca2  | ENSMUSG0000024921 | SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 2 Source MGI Symbol Acc MGI 99603 |
| F07      | SBM0946306 | ENSMUST00000023707.10 | Sod1     | ENSMUSG0000022982 | superoxide dismutase 1, soluble Source MGI Symbol Acc MGI 98351                                                                   |
| F08      | SBM1063571 | ENSMUST00000233791.1  | Sod2     | ENSMUSG0000006818 | superoxide dismutase 2, mitochondrial Source MGI Symbol Acc MGI 98352                                                             |
| F09      | SBM0739239 | ENSMUST00000050442.14 | Spo11    | ENSMUSG0000005883 | SPO11 meiotic protein covalently bound to DSB Source MGI Symbol Acc MGI 1349669                                                   |
| F10      | SBM0849173 | ENSMUST00000050658.5  | Spz1     | ENSMUSG0000046957 | spermatogenic leucine zipper 1 Source MGI Symbol Acc MGI 1930801                                                                  |

| Position | Assay      | Name                  | Symbol   | Ensembl ID         | Description                                                                               |
|----------|------------|-----------------------|----------|--------------------|-------------------------------------------------------------------------------------------|
| F11      | SBM0682927 | ENSMUST00000233440.1  | Srp1     | ENSMUSG0000004865  | serine/arginine-rich protein specific kinase 1 Source MGI Symbol Acc MGI 106908           |
| F12      | SBM0982300 | ENSMUST00000161691.1  | Stag3    | ENSMUSG00000036928 | stromal antigen 3 Source MGI Symbol Acc MGI 1355311                                       |
| G01      | SBM0839202 | ENSMUST00000125612.1  | Sycp3    | ENSMUSG00000020059 | synaptonemal complex protein 3 Source MGI Symbol Acc MGI 109542                           |
| G02      | SBM0999748 | ENSMUST00000232661.1  | Tbp      | ENSMUSG00000014767 | TATA box binding protein Source MGI Symbol Acc MGI 101838                                 |
| G03      | SBM0857093 | ENSMUST00000129046.8  | Tcp11    | ENSMUSG00000062859 | t-complex protein 11 Source MGI Symbol Acc MGI 98544                                      |
| G04      | SBM1047969 | ENSMUST00000113718.7  | Tex11    | ENSMUSG00000009670 | testis expressed gene 11 Source MGI Symbol Acc MGI 1933237                                |
| G05      | SBM0949090 | ENSMUST00000027374.6  | Tnp1     | ENSMUSG00000026182 | transition protein 1 Source MGI Symbol Acc MGI 98784                                      |
| G06      | SBM0921887 | ENSMUST00000037011.5  | Trim36   | ENSMUSG00000033949 | tripartite motif-containing 36 Source MGI Symbol Acc MGI 106264                           |
| G07      | SBM1029556 | ENSMUST00000025727.5  | Trpd52l3 | ENSMUSG00000024815 | tumor protein D52-like 3 Source MGI Symbol Acc MGI 1913995                                |
| G08      | SBM0838281 | ENSMUST00000123082.7  | Tsga10   | ENSMUSG00000060771 | testis specific 10 Source MGI Symbol Acc MGI 2685063                                      |
| G09      | SBM0896353 | ENSMUST00000134782.1  | Ubap2    | ENSMUSG00000028433 | ubiquitin-associated protein 2 Source MGI Symbol Acc MGI 1916176                          |
| G10      | SBM0909454 | ENSMUST00000202339.1  | Uchl1    | ENSMUSG00000029223 | ubiquitin carboxy-terminal hydrolase L1 Source MGI Symbol Acc MGI 103149                  |
| G11      | SBM0813854 | ENSMUST00000048263.13 | Wapl     | ENSMUSG00000041408 | WAPL cohesin release factor Source MGI Symbol Acc MGI 2675859                             |
| G12      | SBM0861052 | ENSMUST00000005073.12 | Zp3      | ENSMUSG00000004948 | zona pellucida glycoprotein 3 Source MGI Symbol Acc MGI 99215                             |
| H01      | SBM1220560 | ENSMUST00000100497.10 | Actb     | ENSMUSG00000029580 | actin, beta Source MGI Symbol Acc MGI 87904                                               |
| H02      | SBM0675336 | ENSMUST00000102476.4  | B2m      | ENSMUSG00000060802 | beta-2 microglobulin Source MGI Symbol Acc MGI 88127                                      |
| H03      | SBM1220562 | ENSMUST00000117757.8  | Gapdh    | ENSMUSG00000057666 | glyceraldehyde-3-phosphate dehydrogenase Source MGI Symbol Acc MGI 95640                  |
| H04      | SBM1220563 | ENSMUST00000026613.13 | Gusb     | ENSMUSG00000025534 | glucuronidase, beta Source MGI Symbol Acc MGI 95872                                       |
| H05      | SBM1220564 | ENSMUST00000166469.7  | Hsp90ab1 | ENSMUSG00000023944 | heat shock protein 90 alpha (cytosolic), class B member 1 Source MGI Symbol Acc MGI 96247 |
| H06      | SBM1218554 | Sybr_MGDC             | MGDC     | Sybr_MGDC          | Mouse Genomic DNA Contamination                                                           |
| H07      | SBH1218551 | Sybr_QIC              | QIC      | Sybr_QIC           | QuantiNova Internal Control                                                               |
| H08      | SBH1218551 | Sybr_QIC              | QIC      | Sybr_QIC           | QuantiNova Internal Control                                                               |
| H09      | SBH1218551 | Sybr_QIC              | QIC      | Sybr_QIC           | QuantiNova Internal Control                                                               |
| H10      | SBH1218550 | Sybr_PPC              | PPC      | Sybr_PPC           | Positive PCR Control                                                                      |
| H11      | SBH1218550 | Sybr_PPC              | PPC      | Sybr_PPC           | Positive PCR Control                                                                      |
| H12      | SBH1218550 | Sybr_PPC              | PPC      | Sybr_PPC           | Positive PCR Control                                                                      |



## Related products

| Product                                    | Contents                                                                                                                                                                                                                                                         | Cat. no. |
|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| QuantiNova LNA PCR QC Panel                | These panels are designed to assess the quality of RNA samples before characterization using QuantiNova LNA PCR Focus Panels; available in 96-well, 384-well, and Rotor-Disc 100 formats                                                                         | 249940   |
| QuantiNova Reverse Transcription Kit (10)* | For 10 x 20 $\mu$ l reactions: 20 $\mu$ l 8x gDNA Removal Mix, 10 $\mu$ l Reverse Transcription Enzyme, 40 $\mu$ l Reverse Transcription Mix (containing RT primers), 20 $\mu$ l Internal Control RNA, 1.9 ml RNase-Free Water                                   | 205410   |
| QuantiNova SYBR Green RT-PCR Kit (100)*    | For 100 x 20 $\mu$ l reactions: 1 ml QuantiNova SYBR Green RT-PCR Master Mix, 20 $\mu$ l QuantiNova SYBR Green RT Mix, 20 $\mu$ l Internal Control RNA, 500 $\mu$ l Yellow Template Dilution Buffer, 250 $\mu$ l ROX Reference Dye, 1.9 $\mu$ l RNase-Free Water | 208152   |
| QuantiNova SYBR Green PCR Kit (100)*       | For 100 x 20 $\mu$ l reactions: 1 ml 2x QuantiNova SYBR Green PCR Master Mix, 500 $\mu$ l QuantiNova Yellow Template Dilution Buffer, 250 $\mu$ l QN ROX Reference Dye, 1.9 ml Water                                                                             | 208052   |

\*Larger kit sizes available.

The QuantiNova LNA PCR Focus Panels are intended for molecular biology applications. These products are not intended for the diagnosis, prevention or treatment of a disease.

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