

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

## Mouse IncFinder

Cat. no. 249956 ULMM-001ZA

For study focus gene expression analysis

### Shipping and storage

QuantiNova LNA Probe PCR IncRNA Focus Panels are shipped at room temperature. Immediately upon receipt, they should be stored protected from light 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 Probe PCR IncRNA Focus Panels should be used together with the QuantiNova Reverse Transcription Kit for cDNA synthesis and the QuantiNova Probe PCR Kit (Mastermix) for PCR.

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

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

	1	2	3	4	5	6	7	8	9	10	11	12
<b>A</b>	Gm12610	Dancr	Zfas1	Hagl1r	Dnm3os	Gm20219	Snhg12	Snhg20	Hoxas2	Snhg15	Foxd2os	Terc
<b>B</b>	Hotairm1	Abhd11os	Snhg14	Snhg3	Mir22hg	lfngas1	1110038B12R ik	1700007L15Ri k	1700008K24R ik	1700020I14Ri k	1810053B23R ik	2210408F21R ik
<b>C</b>	2700046G09 Rik	5430416N02 Rik	6820431F20R ik	9530059O14 Rik	A330009N23 Rik	Airm	Bvht	C130071C03 Rik	Crnde	D130020L05R ik	Dio3os	Dleu2
<b>D</b>	Dlx1as	Dlx6os1	Dreh	Emx2os	Fendir	Fire	Ftx	G730013B05 Rik	Gas5	Gm15850	Gm16938	Gm17750
<b>E</b>	Gm2694	Gm9866	Gt(ROSA)26So r	H19	Has2os	Hotair	Hotip	Hoxa11os	Igf2os	Jpx	Kcnq1ot1	Malat1
<b>F</b>	Meg3	Miat	Mir124a-1hg	Mirg	Gm14005	Mtag2	Nct1	Neat1	Nespas	Nks2-2os	Nron	Otx2os1
<b>G</b>	Pinc	Pldi	Pvt1	Rab10os	Rian	Rmst	Six3os1	Snhg1	Snhg4	Snhg5	Snhg6	Snhg7os
<b>H</b>	Actb	B2m	Gapdh	Gusb	Hsp90ab1	MGDC	QIC	QIC	QIC	PPC	PPC	PPC

## Gene table: QuantiNova LNA Probe PCR IncRNA Focus Panel

Position	Assay	Name	Symbol	Ensembl ID	Description
A01	UPFM072531 0	ENSMUST00000 139272.1	Gm12610	ENSMUSG00 000086035	predicted gene 12610 Source MGI Symbol Acc MGI 3652143
A02	UPFM076498 0	ENSMUST00000 132389.2	Dancr	ENSMUSG00 000106943	differentiation antagonizing non-protein coding RNA Source MGI Symbol Acc MGI 1917286
A03	UPFM090243 4	ENSMUST00000 189909.6	Zfas1	ENSMUSG00 000074578	zinc finger, NFX1-type containing 1, antisense RNA 1 Source MGI Symbol Acc MGI 1916199
A04	UPFM064763 5	ENSMUST00000 152462.2	Haglrl	ENSMUSG00 000075277	Hoxd antisense growth associated long non-coding RNA Source MGI Symbol Acc MGI 3026978
A05	UPFM094422 7	ENSMUST00000 231725.1	Dnm3os	ENSMUSG00 000078190	dynamatin 3, opposite strand Source MGI Symbol Acc MGI 3052332
A06	UPFM089134 2	ENSMUST00000 209718.1	Gm20219	ENSMUSG00 000110218	predicted gene, 20219 Source MGI Symbol Acc MGI 5012404
A07	UPFM081606 4	ENSMUST00000 232260.1	Snhg12	ENSMUSG00 000086290	small nucleolar RNA host gene 12 Source MGI Symbol Acc MGI 1916721
A08	UPFM088246 0	ENSMUST00000 232907.1	Snhg20	ENSMUSG00 000086859	small nucleolar RNA host gene 20 Source MGI Symbol Acc MGI 1924222
A09	UPFM093600 7	ENSMUST00000 114435.1	Hoxaas2	ENSMUSG00 000056445	Hoxa cluster antisense RNA 2 Source MGI Symbol Acc MGI 1913890
A10	UPFM084051 8	ENSMUST00000 124818.1	Snhg15	ENSMUSG00 000085156	small nucleolar RNA host gene 15 Source MGI Symbol Acc MGI 3650059
A11	UPFM090277 4	ENSMUST00000 123272.1	Foxd2os	ENSMUSG00 000085399	forkhead box D2, opposite strand Source MGI Symbol Acc MGI 2444065
A12	UPFM062416 8	ENSMUST00000 082862.1	Terc	ENSMUSG00 000064796	telomerase RNA component Source MGI Symbol Acc MGI 109558
B01	UPFM074249 2	ENSMUST00000 132559.1	Hotairm1	ENSMUSG00 000087658	Hoxa transcript antisense RNA, myeloid-specific 1 Source MGI Symbol Acc MGI 3705155
B02	UPFM072837 1	ENSMUST00000 136022.7	Abhd11os	ENSMUSG00 000085042	abhydrolase domain containing 11, opposite strand Source MGI Symbol Acc MGI 1917062
B03	UPFM096016 5	ENSMUST00000 185693.6	Snhg14	ENSMUSG00 000100826	small nucleolar RNA host gene 14 Source MGI Symbol Acc MGI 1289201
B04	UPFM062792 7	ENSMUST00000 151374.1	Snhg3	ENSMUSG00 000085241	small nucleolar RNA host gene 3 Source MGI Symbol Acc MGI 2684817
B05	UPFM076040 3	ENSMUST00000 134345.1	Mir22hg	ENSMUSG00 000085148	Mir22 host gene (non-protein coding) Source MGI Symbol Acc MGI 1914348
B06	UPFM092363 4	ENSMUST00000 220034.1	lfnas1	ENSMUSG00 000112230	lfnas antisense RNA 1 Source MGI Symbol Acc MGI 1934663
B07	UPFM085874 7	ENSMUST00000 173811.7	1110038B 12Rik	ENSMUSG00 000092203	RIKEN cDNA 1110038B12 gene Source MGI Symbol Acc MGI 1916013
B08	UPFM081015 2	ENSMUST00000 180923.1	1700007L1 5Rik	ENSMUSG00 000097318	RIKEN cDNA 1700007L15 gene Source MGI Symbol Acc MGI 1916581
B09	UPFM082372 2	ENSMUST00000 190269.1	1700008K 24Rik	ENSMUSG00 000101012	RIKEN cDNA 1700008K24 gene Source MGI Symbol Acc MGI 1916561
B10	UPFM081049 7	ENSMUST00000 147425.1	1700020I1 4Rik	ENSMUSG00 000085438	RIKEN cDNA 1700020I14 gene Source MGI Symbol Acc MGI 1913852
B11	UPFM065418 5	ENSMUST00000 232060.1	1810053B 23Rik	ENSMUSG00 000100277	RIKEN cDNA 1810053B23 gene Source MGI Symbol Acc MGI 1917107
B12	UPFM099989 5	ENSMUST00000 124811.1	2210408F 21Rik	ENSMUSG00 000087380	RIKEN cDNA 2210408F21 gene Source MGI Symbol Acc MGI 1920902
C01	UPFM112652 1	ENSMUST00000 181612.2	2700046G 09Rik	ENSMUSG00 000097787	RIKEN cDNA 2700046G09 gene Source MGI Symbol Acc MGI 1914438
C02	UPFM099030 4	ENSMUST00000 181873.7	5430416N 02Rik	ENSMUSG00 000097772	RIKEN cDNA 5430416N02 gene Source MGI Symbol Acc MGI 1918676
C03	UPFM099008 3	ENSMUST00000 153748.1	6820431F 20Rik	ENSMUSG00 000071796	RIKEN cDNA 6820431F20 gene Source MGI Symbol Acc MGI 3694236
C04	UPFM093734 8	ENSMUST00000 181682.8	9530059O 14Rik	ENSMUSG00 000097736	RIKEN cDNA 9530059O14 gene Source MGI Symbol Acc MGI 2442421
C05	UPFM096487 1	ENSMUST00000 180639.2	A330009N 23Rik	ENSMUSG00 000097915	RIKEN cDNA A330009N23 gene Source MGI Symbol Acc MGI 2443491
C06	UPFM068534 7	ENSMUST00000 159731.1	Airn	ENSMUSG00 000078247	antisense Igf2r RNA Source MGI Symbol Acc MGI 1353471
C07	UPFM094801 0	ENSMUST00000 183087.1	Bvht	ENSMUSG00 000098098	braveheart long non-coding RNA Source MGI Symbol Acc MGI 5434104
C08	UPFM066321 0	ENSMUST00000 182701.1	C130071C 03Rik	ENSMUSG00 000050334	RIKEN cDNA C130071C03 gene Source MGI Symbol Acc MGI 2443574
C09	UPFM079859 3	ENSMUST00000 034183.9	Crnde	ENSMUSG00 000031736	colorectal neoplasia differentially expressed (non-protein coding) Source MGI Symbol Acc MGI 1918546
C10	UPFM063390 5	ENSMUST00000 180800.1	D130020L 05Rik	ENSMUSG00 000097121	RIKEN cDNA D130020L05 gene Source MGI Symbol Acc MGI 2450270
	UPFM087676	ENSMUST00000		ENSMUSG00	deiodinase, iodothyronine type III, opposite strand Source MGI Symbol Acc MGI

Position	Assay	Name	Symbol	Ensembl ID	Description
C11	6	220793.1	Dio3os	000113581	2664395
C12	UPFM081736 5	ENSMUST00000 180377.8	Dleu2	ENSMUSG00 000097589	deleted in lymphocytic leukemia, 2 Source MGI Symbol Acc MGI 1934030
D01	UPFM067628 9	ENSMUST00000 137251.2	Dlx1as	ENSMUSG00 000084946	distal-less homeobox 1, antisense Source MGI Symbol Acc MGI 1195983
D02	UPFM089697 6	ENSMUST00000 159568.5	Dlx6os1	ENSMUSG00 000090063	distal-less homeobox 6, opposite strand 1 Source MGI Symbol Acc MGI 2443217
D03	UPFM086044 0	ENSMUST00000 233348.1	Dreh	ENSMUSG00 000117105	novel transcript
D04	UPFM088948 2	ENSMUST00000 136990.2	Emx2os	ENSMUSG00 000087095	Emx2 opposite strand/antisense transcript (non-protein coding) Source MGI Symbol Acc MGI 3052329
D05	UPFM072152 5	ENSMUST00000 181530.7	Fendrr	ENSMUSG00 000097336	Foxf1 adjacent non-coding developmental regulatory RNA Source MGI Symbol Acc MGI 1916040
D06	UPFM066738 5	ENSMUST00000 124842.7	Firre	ENSMUSG00 000085396	functional intergenic repeating RNA element Source MGI Symbol Acc MGI 2147989
D07	UPFM071345 5	ENSMUST00000 238083.1	Ftx	ENSMUSG00 000086370	Ftx transcript, Xist regulator (non-protein coding) Source MGI Symbol Acc MGI 1926128
D08	UPFM075824 5	ENSMUST00000 180509.8	G730013B 05Rik	ENSMUSG00 000097694	RIKEN cDNA G730013B05 gene Source MGI Symbol Acc MGI 3588276
D09	UPFM071740 2	ENSMUST00000 162289.7	Gas5	ENSMUSG00 000053332	growth arrest specific 5 Source MGI Symbol Acc MGI 95659
D10	UPFM066495 5	ENSMUST00000 146091.9	Gm15850	ENSMUSG00 000086264	predicted gene 15850 Source MGI Symbol Acc MGI 3801986
D11	UPFM074959 6	ENSMUST00000 180517.2	Gm16938	ENSMUSG00 000097749	predicted gene, 16938 Source MGI Symbol Acc MGI 4439862
D12	UPFM084796 4	ENSMUST00000 182477.1	Gm17750	ENSMUSG00 000098087	predicted gene, 17750 Source MGI Symbol Acc MGI 5009828
E01	UPFM073815 5	ENSMUST00000 182174.7	Gm2694	ENSMUSG00 000097248	predicted gene 2694 Source MGI Symbol Acc MGI 3780864
E02	UPFM097212 1	ENSMUST00000 220998.1	Gm9866	ENSMUSG00 000094002	predicted gene 9866 Source MGI Symbol Acc MGI 3643118
E03	UPFM073551 5	ENSMUST00000 133467.2	Gt(ROSA)2 6Sor	ENSMUSG00 000086429	gene trap ROSA 26, Philippe Soriano Source MGI Symbol Acc MGI 104735
E04	UPFM064158 2	ENSMUST00000 228514.1	H19	ENSMUSG00 000000031	H19, imprinted maternally expressed transcript Source MGI Symbol Acc MGI 95891
E05	UPFM082810 6	ENSMUST00000 165880.1	Has2os	ENSMUSG00 000086541	hyaluronan synthase 2, opposite strand Source MGI Symbol Acc MGI 3643465
E06	UPFM087225 8	ENSMUST00000 151949.4	Hotair	ENSMUSG00 000086903	HOX transcript antisense RNA (non-protein coding) Source MGI Symbol Acc MGI 3826586
E07	UPFM071591 4	ENSMUST00000 152875.1	Hottip	ENSMUSG00 000055408	Hoxa distal transcript antisense RNA Source MGI Symbol Acc MGI 3642509
E08	UPFM065865 7	ENSMUST00000 137729.1	Hoxa11os	ENSMUSG00 000086427	homeobox A11, opposite strand Source MGI Symbol Acc MGI 107208
E09	UPFM093520 3	ENSMUST00000 141681.1	Igf2os	ENSMUSG00 000086266	insulin-like growth factor 2, opposite strand Source MGI Symbol Acc MGI 1195257
E10	UPFM065326 6	ENSMUST00000 182486.1	Jpx	ENSMUSG00 000097571	Jpx transcript, Xist activator (non-protein coding) Source MGI Symbol Acc MGI 2180008
E11	UPFM065979 0	ENSMUST00000 185789.2	Kcnq1ot1	ENSMUSG00 000101609	KCNQ1 overlapping transcript 1 Source MGI Symbol Acc MGI 1926855
E12	UPFM077524 3	ENSMUST00000 173314.1	Malat1	ENSMUSG00 000092341	metastasis associated lung adenocarcinoma transcript 1 (non-coding RNA) Source MGI Symbol Acc MGI 1919539
F01	UPFM080290 3	ENSMUST00000 126289.7	Meg3	ENSMUSG00 000021268	maternally expressed 3 Source MGI Symbol Acc MGI 1202886
F02	UPFM090763 2	ENSMUST00000 182258.7	Miat	ENSMUSG00 000097767	myocardial infarction associated transcript (non-protein coding) Source MGI Symbol Acc MGI 2444886
F03	UPFM092699 3	ENSMUST00000 181808.2	Mir124a-1 hg	ENSMUSG00 000097545	Mir124-1 host gene (non-protein coding) Source MGI Symbol Acc MGI 2442197
F04	UPFM095401 4	ENSMUST00000 183144.7	Mirg	ENSMUSG00 000097391	miRNA containing gene Source MGI Symbol Acc MGI 3781106
F05	UPFM066114 0	ENSMUST00000 143065.7	Gm14005	ENSMUSG00 000074813	predicted gene 14005 Source MGI Symbol Acc MGI 3652191
F06	UPFM063074 3	ENSMUST00000 211463.1	Mtag2	ENSMUSG00 000091510	metastasis associated gene 2 Source MGI Symbol Acc MGI 1860766
F07	UPFM079724 0	ENSMUST00000 132167.7	Ndc1	ENSMUSG00 000087090	non-coding transcript 1 Source MGI Symbol Acc MGI 1306816
F08	UPFM101082 5	ENSMUST00000 232969.1	Neat1	ENSMUSG00 000092274	nuclear paraspeckle assembly transcript 1 (non-protein coding) Source MGI Symbol Acc MGI 1914211
F09	UPFM075677 8	ENSMUST00000 150276.1	Nespas	ENSMUSG00 000086537	neuroendocrine secretory protein antisense Source MGI Symbol Acc MGI 1861674
F10	UPFM068252 5	ENSMUST00000 136998.2	Nkx2-2os	ENSMUSG00 000086509	NK2 homeobox 2, opposite strand Source MGI Symbol Acc MGI 3652259

Position	Assay	Name	Symbol	Ensembl ID	Description
F11	UPFM078689 5	ENSMUST00000 140412.1	Nron	ENSMUSG00 000086484	non-protein coding RNA, repressor of NFAT Source MGI Symbol Acc MGI 2444126
F12	UPFM087719 9	ENSMUST00000 227221.1	Otx2os1	ENSMUSG00 000098682	orthodenticle homeobox 2 opposite strand 1 Source MGI Symbol Acc MGI 3583292
G01	UPFM098491 0	ENSMUST00000 190229.6	Pinc	ENSMUSG00 000099877	pregnancy induced noncoding RNA Source MGI Symbol Acc MGI 3623820
G02	UPFM064440 9	ENSMUST00000 036304.3	Pldi	ENSMUSG00 000037247	polymorphic derived intron containing Source MGI Symbol Acc MGI 1920866
G03	UPFM095995 2	ENSMUST00000 182956.7	Pt1	ENSMUSG00 000097039	Pt1 oncogene Source MGI Symbol Acc MGI 97824
G04	UPFM094770 7	ENSMUST00000 179643.7	Rab10os	ENSMUSG00 000079179	RAB10, member RAS oncogene family, opposite strand Source MGI Symbol Acc MGI 1921423
G05	UPFM071536 9	ENSMUST00000 182119.1	Rian	ENSMUSG00 000097451	RNA imprinted and accumulated in nucleus Source MGI Symbol Acc MGI 1922995
G06	UPFM075182 0	ENSMUST00000 219444.1	Rmst	ENSMUSG00 000112117	rhabdomyosarcoma 2 associated transcript (non-coding RNA) Source MGI Symbol Acc MGI 1099806
G07	UPFM076199 9	ENSMUST00000 160691.1	Six3os1	ENSMUSG00 000093460	SIX homeobox 3, opposite strand 1 Source MGI Symbol Acc MGI 1925118
G08	UPFM091485 8	ENSMUST00000 206135.1	Snhg1	ENSMUSG00 000108414	small nucleolar RNA host gene 1 Source MGI Symbol Acc MGI 3763743
G09	UPFM078475 3	ENSMUST00000 235679.1	Snhg4	ENSMUSG00 000117869	small nucleolar RNA host gene 4 (non-protein coding)
G10	UPFM091922 5	ENSMUST00000 183045.1	Snhg5	ENSMUSG00 000097195	small nucleolar RNA host gene 5 Source MGI Symbol Acc MGI 1919905
G11	UPFM072816 5	ENSMUST00000 182742.1	Snhg6	ENSMUSG00 000098234	small nucleolar RNA host gene 6 Source MGI Symbol Acc MGI 1921074
G12	UPFM069858 3	ENSMUST00000 147986.1	Snhg7os	ENSMUSG00 000086775	small nucleolar RNA host gene 7, opposite strand Source MGI Symbol Acc MGI 3045374
H01	UPFM113294 6	ENSMUST00000 163829.1	Actb	ENSMUSG00 000029580	actin, beta Source MGI Symbol Acc MGI 87904
H02	UPFM113294 7	ENSMUST00000 102476.4	B2m	ENSMUSG00 000060802	beta-2 microglobulin Source MGI Symbol Acc MGI 88127
H03	UPFM113294 8	ENSMUST00000 117757.8	Gapdh	ENSMUSG00 000057666	glyceraldehyde-3-phosphate dehydrogenase Source MGI Symbol Acc MGI 95640
H04	UPFM113294 9	ENSMUST00000 026613.13	Gusb	ENSMUSG00 000025534	glucuronidase, beta Source MGI Symbol Acc MGI 95872
H05	UPFM113295 0	ENSMUST00000 166469.7	Hsp90ab1	ENSMUSG00 000023944	heat shock protein 90 alpha (cytosolic), class B member 1 Source MGI Symbol Acc MGI 96247
H06	UPFM112660 9	UPL_MGDC	MGDC	UPL_MGDC	Mouse Genomic DNA Contamination
H07	UPFH1126606	UPL_QIC	QIC	UPL_QIC	QuantiNova Internal Control
H08	UPFH1126606	UPL_QIC	QIC	UPL_QIC	QuantiNova Internal Control
H09	UPFH1126606	UPL_QIC	QIC	UPL_QIC	QuantiNova Internal Control
H10	UPFH1126605	UPL_PPC	PPC	UPL_PPC	Positive PCR Control
H11	UPFH1126605	UPL_PPC	PPC	UPL_PPC	Positive PCR Control
H12	UPFH1126605	UPL_PPC	PPC	UPL_PPC	Positive PCR Control



## Related products

Product	Contents	Cat. no.
QuantiNova LNA Probe PCR QC Panel	These panels are designed to assess the quality of RNA samples before characterization using QuantiNova LNA Probe PCR IncRNA Focus Panels; available in 96-well, 384-well, and Rotor-Disc 100 formats	249945
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 Probe RT-PCR Kit (100)*	For 100 x 20 $\mu$ l reactions: 1 ml QuantiNova Probe RT-PCR Master Mix, 20 $\mu$ l QuantiNova Probe 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	208352
QuantiNova Probe PCR Kit (100)*	For 100 x 20 $\mu$ l reactions: 1 ml 2x QuantiNova Probe PCR Master Mix, 500 $\mu$ l QuantiNova Yellow Template Dilution Buffer, 250 $\mu$ l QN ROX Reference Dye, 1.9 ml Water	208252

\*Larger kit sizes available.

The QuantiNova LNA Probe PCR IncRNA 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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