

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

Mouse Cancer PathwayFinder

Cat. no. 249956 ULMM-002ZA

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 for further details.

	1	2	3	4	5	6	7	8	9	10	11	12
A	Hota1r	Malat1	H19	Neat1	Meg3	Pvt1	Gas5	Tug1	Xist	Hottip	Crmde	Snhg1
B	Zfas1	Dancr	Hoxa11os	Miat	Snhg20	Snhg6	Sox2ot	Gm20219	Snhg15	Foxd2os	Snhg12	Trp53cor1
C	Snhg5	Kcnq1ot1	Snhg7os	Snhg8	Dlx6os1	Ftx	Snhg3	Zeb2os	Abhd11os	Igf2os	Snhg14	Fendrr
D	Wt1os	Gm12610	Dnm3os	Firre	Jpx	Mir124a-1hg	Haglr	1110028F18R ik	1700020114R k	1700034P13R ik	2410006H16R ik	4930593C16R ik
E	4933408N05 Rik	5430425K12R ik	6330410L21R k	9530026P05R ik	9530059O14 Rik	A330076H08 Rik	A530072M11 Rik	AI504432	Aim	AU040972	C130071C03 Rik	C230004F18R ik
F	D630008O14 Rik	Dleu2	Emx2os	F730043M19 Rik	Fh1os	Gm10548	Gm12606	Gm15706	Gm16006	Gm17276	Gm19557	Hand2os1
G	Hoxaa2	Nespos	Nron	Rian	Rmst	Terc	Tsix	Lncpint	Pantr1	Gm14005	Snhg17	Dbbas
H	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	UPFM087225 8	ENSMUST00000 151949.4	Hotair	ENSMUSG00 000086903	HOX transcript antisense RNA (non-protein coding) Source MGI Symbol Acc MGI 3826586
A02	UPFM077524 3	ENSMUST00000 173314.1	Malat1	ENSMUSG00 000092341	metastasis associated lung adenocarcinoma transcript 1 (non-coding RNA) Source MGI Symbol Acc MGI 1919539
A03	UPFM064158 2	ENSMUST00000 228514.1	H19	ENSMUSG00 000000031	H19, imprinted maternally expressed transcript Source MGI Symbol Acc MGI 95891
A04	UPFM101082 5	ENSMUST00000 232969.1	Neat1	ENSMUSG00 000092274	nuclear paraspeckle assembly transcript 1 (non-protein coding) Source MGI Symbol Acc MGI 1914211
A05	UPFM080290 3	ENSMUST00000 126289.7	Meg3	ENSMUSG00 000021268	maternally expressed 3 Source MGI Symbol Acc MGI 1202886
A06	UPFM095995 2	ENSMUST00000 182956.7	Pvt1	ENSMUSG00 000097039	Pvt1 oncogene Source MGI Symbol Acc MGI 97824
A07	UPFM071740 2	ENSMUST00000 162289.7	Gas5	ENSMUSG00 000053332	growth arrest specific 5 Source MGI Symbol Acc MGI 95659
A08	UPFM074695 5	ENSMUST00000 153313.8	Tug1	ENSMUSG00 000056579	taurine upregulated gene 1 Source MGI Symbol Acc MGI 2144114
A09	UPFM067823 3	ENSMUST00000 127786.3	Xist	ENSMUSG00 000086503	inactive X specific transcripts Source MGI Symbol Acc MGI 98974
A10	UPFM071591 4	ENSMUST00000 152875.1	Hottip	ENSMUSG00 000055408	Hoxa distal transcript antisense RNA Source MGI Symbol Acc MGI 3642509
A11	UPFM079859 3	ENSMUST00000 034183.9	Crnde	ENSMUSG00 000031736	colorectal neoplasia differentially expressed (non-protein coding) Source MGI Symbol Acc MGI 1918546
A12	UPFM091485 8	ENSMUST00000 206135.1	Snhg1	ENSMUSG00 000108414	small nucleolar RNA host gene 1 Source MGI Symbol Acc MGI 3763743
B01	UPFM090243 4	ENSMUST00000 189909.6	Zfas1	ENSMUSG00 000074578	zinc finger, NFX1-type containing 1, antisense RNA 1 Source MGI Symbol Acc MGI 1916199
B02	UPFM076498 0	ENSMUST00000 132389.2	Dancr	ENSMUSG00 000106943	differentiation antagonizing non-protein coding RNA Source MGI Symbol Acc MGI 1917286
B03	UPFM065865 7	ENSMUST00000 137729.1	Hoxa11os	ENSMUSG00 000086427	homeobox A11, opposite strand Source MGI Symbol Acc MGI 107208
B04	UPFM090763 2	ENSMUST00000 182258.7	Miat	ENSMUSG00 000097767	myocardial infarction associated transcript (non-protein coding) Source MGI Symbol Acc MGI 2444886
B05	UPFM088246 0	ENSMUST00000 232907.1	Snhg20	ENSMUSG00 000086859	small nucleolar RNA host gene 20 Source MGI Symbol Acc MGI 1924222
B06	UPFM072816 5	ENSMUST00000 182742.1	Snhg6	ENSMUSG00 000098234	small nucleolar RNA host gene 6 Source MGI Symbol Acc MGI 1921074
B07	UPFM095314 3	ENSMUST00000 199171.4	Sox2ot	ENSMUSG00 000105265	SOX2 overlapping transcript (non-protein coding) Source MGI Symbol Acc MGI 2444112
B08	UPFM089134 2	ENSMUST00000 209718.1	Gm20219	ENSMUSG00 000110218	predicted gene, 20219 Source MGI Symbol Acc MGI 5012404
B09	UPFM084051 8	ENSMUST00000 124818.1	Snhg15	ENSMUSG00 000085156	small nucleolar RNA host gene 15 Source MGI Symbol Acc MGI 3650059
B10	UPFM090277 4	ENSMUST00000 123272.1	Foxd2os	ENSMUSG00 000085399	forkhead box D2, opposite strand Source MGI Symbol Acc MGI 2444065
B11	UPFM081606 4	ENSMUST00000 232260.1	Snhg12	ENSMUSG00 000086290	small nucleolar RNA host gene 12 Source MGI Symbol Acc MGI 1916721
B12	UPFM077538 0	ENSMUST00000 133221.2	Trp53cor1	ENSMUSG00 000085912	tumor protein p53 pathway corepressor 1 Source MGI Symbol Acc MGI 3801771
C01	UPFM091922 5	ENSMUST00000 183045.1	Snhg5	ENSMUSG00 000097195	small nucleolar RNA host gene 5 Source MGI Symbol Acc MGI 1919905
C02	UPFM065979 0	ENSMUST00000 185789.2	Kcnq1ot1	ENSMUSG00 000101609	KCNQ1 overlapping transcript 1 Source MGI Symbol Acc MGI 1926855
C03	UPFM069858 3	ENSMUST00000 147986.1	Snhg7os	ENSMUSG00 000086775	small nucleolar RNA host gene 7, opposite strand Source MGI Symbol Acc MGI 3045374
C04	UPFM073652 3	ENSMUST00000 196466.1	Snhg8	ENSMUSG00 000104960	small nucleolar RNA host gene 8 Source MGI Symbol Acc MGI 1917145
C05	UPFM089697 6	ENSMUST00000 159568.5	Dlx6os1	ENSMUSG00 000090063	distal-less homeobox 6, opposite strand 1 Source MGI Symbol Acc MGI 2443217
C06	UPFM071345 5	ENSMUST00000 238083.1	Ftx	ENSMUSG00 000086370	Ftx transcript, Xist regulator (non-protein coding) Source MGI Symbol Acc MGI 1926128
C07	UPFM062792 7	ENSMUST00000 151374.1	Snhg3	ENSMUSG00 000085241	small nucleolar RNA host gene 3 Source MGI Symbol Acc MGI 2684817
C08	UPFM091702 8	ENSMUST00000 127150.8	Zeb2os	ENSMUSG00 000052248	zinc finger E-box binding homeobox 2, opposite strand Source MGI Symbol Acc MGI 3652108
C09	UPFM072837 1	ENSMUST00000 136022.7	Abhd11os	ENSMUSG00 000085042	abhydrolase domain containing 11, opposite strand Source MGI Symbol Acc MGI 1917062
C10	UPFM093520 3	ENSMUST00000 141681.1	Igf2os	ENSMUSG00 000086266	insulin-like growth factor 2, opposite strand Source MGI Symbol Acc MGI 1195257
	UPFM096016	ENSMUST00000		ENSMUSG00	

Position	Assay	Name	Symbol	Ensembl ID	Description
C11	5	185693.6	Shhg14	000100826	small nucleolar RNA host gene 14 Source MGI Symbol Acc MGI 1289201
C12	UPFM072152 5	ENSMUST00000 181530.7	Fendrr	ENSMUSG00 000097336	Foxf1 adjacent non-coding developmental regulatory RNA Source MGI Symbol Acc MGI 1916040
D01	UPFM062572 6	ENSMUST00000 135153.7	Wt1os	ENSMUSG00 000074987	Wilms tumor 1 homolog, opposite strand Source MGI Symbol Acc MGI 2138884
D02	UPFM072531 0	ENSMUST00000 139272.1	Gm12610	ENSMUSG00 000086035	predicted gene 12610 Source MGI Symbol Acc MGI 3652143
D03	UPFM094422 7	ENSMUST00000 231725.1	Dnm3os	ENSMUSG00 000078190	dynammin 3, opposite strand Source MGI Symbol Acc MGI 3052332
D04	UPFM066738 5	ENSMUST00000 124842.7	Firre	ENSMUSG00 000085396	functional intergenic repeating RNA element Source MGI Symbol Acc MGI 2147989
D05	UPFM065326 6	ENSMUST00000 182486.1	Jpx	ENSMUSG00 000097571	Jpx transcript, Xist activator (non-protein coding) Source MGI Symbol Acc MGI 2180008
D06	UPFM092699 3	ENSMUST00000 181808.2	Mir124a-1 hg	ENSMUSG00 000097545	Mir124-1 host gene (non-protein coding) Source MGI Symbol Acc MGI 2442197
D07	UPFM064763 5	ENSMUST00000 152462.2	Haglr	ENSMUSG00 000075277	Hoxd antisense growth associated long non-coding RNA Source MGI Symbol Acc MGI 3026978
D08	UPFM090346 3	ENSMUST00000 183365.1	1110028F 18Rik	ENSMUSG00 000099139	RIKEN cDNA 1110028F18 gene Source MGI Symbol Acc MGI 1915942
D09	UPFM081049 7	ENSMUST00000 147425.1	1700020I1 4Rik	ENSMUSG00 000085438	RIKEN cDNA 1700020I14 gene Source MGI Symbol Acc MGI 1913852
D10	UPFM081774 0	ENSMUST00000 181821.7	1700034P 13Rik	ENSMUSG00 000097893	RIKEN cDNA 1700034P13 gene Source MGI Symbol Acc MGI 1920581
D11	UPFM077803 1	ENSMUST00000 131787.1	2410006H 16Rik	ENSMUSG00 000086841	RIKEN cDNA 2410006H16 gene Source MGI Symbol Acc MGI 1916471
D12	UPFM073394 0	ENSMUST00000 140589.2	4930593C 16Rik	ENSMUSG00 000086365	RIKEN cDNA 4930593C16 gene Source MGI Symbol Acc MGI 1925310
E01	UPFM062959 7	ENSMUST00000 139864.1	4933408N 05Rik	ENSMUSG00 000084848	RIKEN cDNA 4933408N05 gene Source MGI Symbol Acc MGI 1918372
E02	UPFM096766 1	ENSMUST00000 224538.1	5430425K 12Rik	ENSMUSG00 000114554	RIKEN cDNA 5430425K12 gene Source MGI Symbol Acc MGI 1918666
E03	UPFM096887 9	ENSMUST00000 199846.1	6330410L2 1Rik	ENSMUSG00 000105960	RIKEN cDNA 6330410L21 gene Source MGI Symbol Acc MGI 2441710
E04	UPFM084284 5	ENSMUST00000 181840.3	9530026P 05Rik	ENSMUSG00 000097462	RIKEN cDNA 9530026P05 gene Source MGI Symbol Acc MGI 1924659
E05	UPFM093734 8	ENSMUST00000 181682.8	9530059O 14Rik	ENSMUSG00 000097736	RIKEN cDNA 9530059O14 gene Source MGI Symbol Acc MGI 2442421
E06	UPFM086774 0	ENSMUST00000 207694.1	A330076H 08Rik	ENSMUSG00 000109321	RIKEN cDNA A330076H08 gene Source MGI Symbol Acc MGI 2443193
E07	UPFM091390 6	ENSMUST00000 151122.1	A530072M 11Rik	ENSMUSG00 000085112	RIKEN cDNA gene A530072M11 Source MGI Symbol Acc MGI 4440477
E08	UPFM096844 3	ENSMUST00000 070085.5	AI504432	ENSMUSG00 000056145	expressed sequence AI504432 Source MGI Symbol Acc MGI 2139742
E09	UPFM068534 7	ENSMUST00000 159731.1	Airn	ENSMUSG00 000078247	antisense Igf2r RNA Source MGI Symbol Acc MGI 1353471
E10	UPFM084441 0	ENSMUST00000 165610.1	AU040972	ENSMUSG00 000091523	expressed sequence AU040972 Source MGI Symbol Acc MGI 2144426
E11	UPFM066321 0	ENSMUST00000 182701.1	C130071C 03Rik	ENSMUSG00 000050334	RIKEN cDNA C130071C03 gene Source MGI Symbol Acc MGI 2443574
E12	UPFM083233 5	ENSMUST00000 232283.1	C230004F 18Rik	ENSMUSG00 000071753	RIKEN cDNA C230004F18 gene Source MGI Symbol Acc MGI 3041217
F01	UPFM065474 1	ENSMUST00000 149909.1	D630008O 14Rik	ENSMUSG00 000054006	RIKEN cDNA D630008O14 gene Source MGI Symbol Acc MGI 3698880
F02	UPFM081736 5	ENSMUST00000 180377.8	Dleu2	ENSMUSG00 000097589	deleted in lymphocytic leukemia, 2 Source MGI Symbol Acc MGI 1934030
F03	UPFM088948 2	ENSMUST00000 136990.2	Emx2os	ENSMUSG00 000087095	Emx2 opposite strand/antisense transcript (non-protein coding) Source MGI Symbol Acc MGI 3052329
F04	UPFM077666 9	ENSMUST00000 148740.7	F730043M 19Rik	ENSMUSG00 000052125	RIKEN cDNA F730043M19 gene Source MGI Symbol Acc MGI 2443237
F05	UPFM071672 6	ENSMUST00000 160149.1	Fhitos	ENSMUSG00 000089833	fragile histidine triad gene, opposite strand Source MGI Symbol Acc MGI 4414962
F06	UPFM096568 0	ENSMUST00000 097631.2	Gm10548	ENSMUSG00 000073607	predicted gene 10548 Source MGI Symbol Acc MGI 3641893
F07	UPFM086209 2	ENSMUST00000 129527.7	Gm12606	ENSMUSG00 000087659	predicted gene 12606 Source MGI Symbol Acc MGI 3649222
F08	UPFM095064 8	ENSMUST00000 139612.1	Gm15706	ENSMUSG00 000086013	predicted gene 15706 Source MGI Symbol Acc MGI 3783146
F09	UPFM092940 0	ENSMUST00000 160938.1	Gm16006	ENSMUSG00 000090002	predicted gene 16006 Source MGI Symbol Acc MGI 3801853
F10	UPFM101049 3	ENSMUST00000 236612.1	Gm17276	ENSMUSG00 000097305	predicted gene, 17276 Source MGI Symbol Acc MGI 4936910

Position	Assay	Name	Symbol	Ensembl ID	Description
F11	UPFM0854337	ENSMUST00000182109.1	Gm19557	ENSMUSG0000097990	predicted gene, 19557 Source MGI Symbol Acc MGI 5011742
F12	UPFM0730368	ENSMUST00000225516.1	Hand2os1	ENSMUSG0000100510	Hand2, opposite strand 1 Source MGI Symbol Acc MGI 5578769
G01	UPFM0936007	ENSMUST00000114435.1	Hoxaas2	ENSMUSG0000056445	Hoxa cluster antisense RNA 2 Source MGI Symbol Acc MGI 1913890
G02	UPFM0756778	ENSMUST00000150276.1	Nespas	ENSMUSG0000086537	neuroendocrine secretory protein antisense Source MGI Symbol Acc MGI 1861674
G03	UPFM0786895	ENSMUST00000140412.1	Nron	ENSMUSG0000086484	non-protein coding RNA, repressor of NFAT Source MGI Symbol Acc MGI 2444126
G04	UPFM0715369	ENSMUST00000182119.1	Rian	ENSMUSG0000097451	RNA imprinted and accumulated in nucleus Source MGI Symbol Acc MGI 1922995
G05	UPFM0751820	ENSMUST00000219444.1	Rmst	ENSMUSG0000112117	rhabdomyosarcoma 2 associated transcript (non-coding RNA) Source MGI Symbol Acc MGI 1099806
G06	UPFM0624168	ENSMUST00000082862.1	Terc	ENSMUSG0000064796	telomerase RNA component Source MGI Symbol Acc MGI 109558
G07	UPFM0973040	ENSMUST00000152916.1	Tsix	ENSMUSG0000085715	X (inactive)-specific transcript, opposite strand Source MGI Symbol Acc MGI 1336196
G08	UPFM0959813	ENSMUST00000187876.6	Lncpint	ENSMUSG0000044471	long non-protein coding RNA, Trp53 induced transcript Source MGI Symbol Acc MGI 2673128
G09	UPFM0648396	ENSMUST00000188153.6	Pantr1	ENSMUSG0000060424	POU domain, class 3, transcription factor 3 adjacent noncoding transcript 1 Source MGI Symbol Acc MGI 1913547
G10	UPFM0661140	ENSMUST00000143065.7	Gm14005	ENSMUSG0000074813	predicted gene 14005 Source MGI Symbol Acc MGI 3652191
G11	UPFM0889436	ENSMUST00000154242.1	Snhg17	ENSMUSG0000085385	small nucleolar RNA host gene 17 Source MGI Symbol Acc MGI 1915358
G12	UPFM0913984	ENSMUST00000150024.1	Dbhos	ENSMUSG0000085008	dopamine beta hydroxylase, opposite strand Source MGI Symbol Acc MGI 3652314
H01	UPFM1132946	ENSMUST00000163829.1	Actb	ENSMUSG0000029580	actin, beta Source MGI Symbol Acc MGI 87904
H02	UPFM1132947	ENSMUST00000102476.4	B2m	ENSMUSG0000060802	beta-2 microglobulin Source MGI Symbol Acc MGI 88127
H03	UPFM1132948	ENSMUST00000117757.8	Gapdh	ENSMUSG0000057666	glyceraldehyde-3-phosphate dehydrogenase Source MGI Symbol Acc MGI 95640
H04	UPFM1132949	ENSMUST00000026613.13	Gusb	ENSMUSG0000025534	glucuronidase, beta Source MGI Symbol Acc MGI 95872
H05	UPFM1132950	ENSMUST00000166469.7	Hsp90ab1	ENSMUSG0000023944	heat shock protein 90 alpha (cytosolic), class B member 1 Source MGI Symbol Acc MGI 96247
H06	UPFM1126609	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 μ l reactions: 20 μ l 8x gDNA Removal Mix, 10 μ l Reverse Transcription Enzyme, 40 μ l Reverse Transcription Mix (containing RT primers), 20 μ l Internal Control RNA, 1.9 ml RNase-Free Water	205410
QuantiNova Probe RT-PCR Kit (100)*	For 100 x 20 μ l reactions: 1 ml QuantiNova Probe RT-PCR Master Mix, 20 μ l QuantiNova Probe RT Mix, 20 μ l Internal Control RNA, 500 μ l Yellow Template Dilution Buffer, 250 μ l ROX Reference Dye, 1.9 μ l RNase-Free Water	208352
QuantiNova Probe PCR Kit (100)*	For 100 x 20 μ l reactions: 1 ml 2x QuantiNova Probe PCR Master Mix, 500 μ l QuantiNova Yellow Template Dilution Buffer, 250 μ 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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