

QuantiNova® LNA® PCR IncRNA Focus Panels (Rotor-Gene® Format)

Mouse Inflammatory Response & Autoimmunity

Cat. no. 249951 SLMM-004ZR

For study focus gene expression analysis

Shipping and storage

QuantiNova LNA PCR IncRNA Focus Panels are shipped at room 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 IncRNA 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 (Rotor-Gene®): QuantiNova LNA PCR IncRNA Focus Panel

The 96 real-time assays in the Rotor-Gene format are located in wells 1–96 of the Rotor-Disc® (plate A1–A12=Rotor-Disc 1–12, plate B1–B12=Rotor-Disc 13–24, etc.). To maintain data analysis compatibility, wells 97–100 do not contain real-time assays but will contain master mix to account for weight balance. Refer to the QuantiNova LNA PCR System Handbook at www.qiagen.com for further details.

	1	2	3	4	5	6	7	8	9	10	11	12
A	Jpx	Rmst	Dleu2	Neat1	H19	Gas5	Gm12610	Peg13	Malat1	Meg3	Pvt1	Tug1
B	1500012K07R ik	1810058I24R k	2310001H17R ik	4921504A21R ik	4932412D23R ik	4933407K13R ik	9330158H04R ik	C130021I20R k	Dlx1as	Irfngas1	Xist	1810019N24 Rik
C	2210406O10 Rik	2500004C02R ik	2900041M22 Rik	4930470G03 Rik	4930558J18R k	5730480H06R ik	5830418P13R ik	9530059O14 Rik	9630001P10R ik	D930015M05 Rik	Gm14379	Gm16023
D	Gm16998	Gm17473	Hota1r	Cmde	Dnm3os	Flicr	Miat	Ptgs2os2	Trp53cor1	1700040D17R ik	4930556M19 Rik	Dancr
E	Dio3os	Firre	Gm16759	Gm4419	Hagl1r	Hoxas2	Kcng1ot1	Mir326	Mir1	Gm14005	Redrum	Snhg1
F	Snhg14	Sox2ot	1700020I14R k	5530601H04R ik	6820431F20R ik	A430108G06 Rik	C130071C03 Rik	Slc2o4rg-ps	Zfa-ps	Abn711os2	Gm4117	Mir124a-1hg
G	Pcsk2os1	Platr21	Rnf227	Ttc39aos1	5830432E09R ik	9530052C20R ik	A330023F24R ik	D430036J16R ik	Gm15050	4632427E13R ik	4930554H23R ik	4931440J10R k

	1	2	3	4	5	6	7	8	9	10	11	12
H	Actb	B2m	Gapdh	Gusb	Hsp90ab1	MGDC	QIC	QIC	QIC	PPC	PPC	PPC

Gene table: QuantiNova LNA PCR IncRNA Focus Panel

Position	Assay	Name	Symbol	Ensembl ID	Description
A01	SBM0712055	ENSMUST00000181020.8	Jpx	ENSMUSG0000097571	Jpx transcript, Xist activator (non-protein coding) Source MGI Symbol Acc MGI 2180008
A02	SBM1023163	ENSMUST00000220288.1	Rmst	ENSMUSG0000112117	rhabdomyosarcoma 2 associated transcript (non-coding RNA) Source MGI Symbol Acc MGI 1099806
A03	SBM0838359	ENSMUST00000182325.7	Dleu2	ENSMUSG0000097589	deleted in lymphocytic leukemia, 2 Source MGI Symbol Acc MGI 1934030
A04	SBM0868233	ENSMUST00000174829.1	Neat1	ENSMUSG0000092274	nuclear paraspeckle assembly transcript 1 (non-protein coding) Source MGI Symbol Acc MGI 1914211
A05	SBM0818653	ENSMUST00000152754.8	H19	ENSMUSG0000000031	H19, imprinted maternally expressed transcript Source MGI Symbol Acc MGI 95891
A06	SBM0674752	ENSMUST00000161005.7	Gas5	ENSMUSG0000053332	growth arrest specific 5 Source MGI Symbol Acc MGI 95659
A07	SBM0976861	ENSMUST00000139272.1	Gm12610	ENSMUSG0000086035	predicted gene 12610 Source MGI Symbol Acc MGI 3652143
A08	SBM0924206	ENSMUST00000202826.1	Peg13	ENSMUSG0000106847	paternally expressed 13 Source MGI Symbol Acc MGI 2663476
A09	SBM1031723	ENSMUST00000173314.1	Malat1	ENSMUSG0000092341	metastasis associated lung adenocarcinoma transcript 1 (non-coding RNA) Source MGI Symbol Acc MGI 1919539
A10	SBM0834892	ENSMUST00000143847.7	Meg3	ENSMUSG0000021268	maternally expressed 3 Source MGI Symbol Acc MGI 1202886
A11	SBM0965777	ENSMUST00000180432.8	Pv1	ENSMUSG0000097039	Pv1 oncogene Source MGI Symbol Acc MGI 97824
A12	SBM0742445	ENSMUST00000153313.8	Tug1	ENSMUSG0000056579	taurine upregulated gene 1 Source MGI Symbol Acc MGI 2144114
B01	SBM0787807	ENSMUST00000181846.2	1500012K07Rik	ENSMUSG0000097247	RIKEN cDNA 1500012K07 gene Source MGI Symbol Acc MGI 1916204
B02	SBM0709108	ENSMUST00000152147.7	1810058I24Rik	ENSMUSG0000073155	RIKEN cDNA 1810058I24 gene Source MGI Symbol Acc MGI 1914955
B03	SBM0868867	ENSMUST00000180379.3	2310001H17Rik	ENSMUSG0000097354	RIKEN cDNA 2310001H17 gene Source MGI Symbol Acc MGI 1923682
B04	SBM1000785	ENSMUST00000197496.1	4921504A21Rik	ENSMUSG0000097626	RIKEN cDNA 4921504A21 gene Source MGI Symbol Acc MGI 1918082
B05	SBM0879960	ENSMUST00000147181.1	4932412D23Rik	ENSMUSG0000075070	RIKEN cDNA 4932412D23 gene Source MGI Symbol Acc MGI 1922972
B06	SBM0800377	ENSMUST00000129980.7	4933407K13Rik	ENSMUSG0000087396	RIKEN cDNA 4933407K13 gene Source MGI Symbol Acc MGI 1921646
B07	SBM0861582	ENSMUST00000161161.7	9330158H04Rik	ENSMUSG0000073154	RIKEN cDNA 9330158H04 gene Source MGI Symbol Acc MGI 2442094
B08	SBM0991745	ENSMUST00000147294.2	C130021I20Rik	ENSMUSG0000052951	Riken cDNA C130021I20 gene Source MGI Symbol Acc MGI 3639863
B09	SBM1034129	ENSMUST00000140271.1	Dlx1as	ENSMUSG0000084946	distal-less homeobox 1, antisense Source MGI Symbol Acc MGI 1195983
B10	SBM1059860	ENSMUST00000220034.1	lfngas1	ENSMUSG0000112230	lfng antisense RNA 1 Source MGI Symbol Acc MGI 1934663
B11	SBM1047908	ENSMUST00000127786.3	Xist	ENSMUSG0000086503	inactive X specific transcripts Source MGI Symbol Acc MGI 98974
B12	SBM0775040	ENSMUST00000181128.1	1810019N24Rik	ENSMUSG0000097115	RIKEN cDNA 1810019N24 gene Source MGI Symbol Acc MGI 1916336
C01	SBM0998688	ENSMUST00000044964.5	2210406O10Rik	ENSMUSG0000039563	RIKEN cDNA 2210406O10 gene Source MGI Symbol Acc MGI 1923960
C02	SBM0923591	ENSMUST00000139636.1	2500004C02Rik	ENSMUSG0000073236	RIKEN cDNA 2500004C02 gene Source MGI Symbol Acc MGI 1919576
C03	SBM0930875	ENSMUST00000155384.1	2900041M22Rik	ENSMUSG0000054418	RIKEN cDNA 2900041M22 gene Source MGI Symbol Acc MGI 1925653
C04	SBM0732972	ENSMUST00000122926.1	4930470G03Rik	ENSMUSG0000085788	RIKEN cDNA 4930470G03 gene Source MGI Symbol Acc MGI 1922171
C05	SBM0875061	ENSMUST00000181949.2	4930558J18Rik	ENSMUSG0000097519	RIKEN cDNA 4930558J18 gene Source MGI Symbol Acc MGI 1922573
C06	SBM1091055	ENSMUST00000195960.4	5730480H06Rik	ENSMUSG0000029089	RIKEN cDNA 5730480H06 gene Source MGI Symbol Acc MGI 1917842
C07	SBM0872770	ENSMUST00000145185.2	5830418P13Rik	ENSMUSG0000086236	RIKEN cDNA 5830418P13 gene Source MGI Symbol Acc MGI 3604110
C08	SBM1033705	ENSMUST00000181682.8	9530059O14Rik	ENSMUSG0000097736	RIKEN cDNA 9530059O14 gene Source MGI Symbol Acc MGI 2442421
C09	SBM0926456	ENSMUST00000181335.2	9630001P10Rik	ENSMUSG0000097825	RIKEN cDNA 9630001P10 gene Source MGI Symbol Acc MGI 2441755
C10	SBM0897167	ENSMUST00000126002.1	D930015M05Rik	ENSMUSG0000084781	RIKEN cDNA D930015M05 gene Source MGI Symbol Acc MGI 3612068
		ENSMUST00000		ENSMUSG00	

Position	Assay	Name	Symbol	Ensembl ID	Description
C11	SBM1003313	128858.1	Gm14379	000087252	predicted gene 14379 Source MGI Symbol Acc MGI 3649346
C12	SBM0724786	ENSMUST00000137752.1	Gm16023	ENSMUSG0000086682	predicted gene 16023 Source MGI Symbol Acc MGI 3802146
D01	SBM0695061	ENSMUST00000181899.1	Gm16998	ENSMUSG0000097069	predicted gene, 16998 Source MGI Symbol Acc MGI 4439922
D02	SBM0900936	ENSMUST00000180585.2	Gm17473	ENSMUSG0000097805	predicted gene, 17473 Source MGI Symbol Acc MGI 4937107
D03	SBM0797802	ENSMUST00000151949.4	Hotair	ENSMUSG0000086903	HOX transcript antisense RNA (non-protein coding) Source MGI Symbol Acc MGI 3826586
D04	SBM1079975	ENSMUST00000034183.9	Crnde	ENSMUSG0000031736	colorectal neoplasia differentially expressed (non-protein coding) Source MGI Symbol Acc MGI 1918546
D05	SBM1005069	ENSMUST00000231725.1	Dnm3os	ENSMUSG0000078190	dynamamin 3, opposite strand Source MGI Symbol Acc MGI 3052332
D06	SBM1055089	ENSMUST00000144719.8	Flicr	ENSMUSG0000039545	Foxp3 regulating long intergenic noncoding RNA Source MGI Symbol Acc MGI 1925435
D07	SBM0746127	ENSMUST00000182509.7	Miat	ENSMUSG0000097767	myocardial infarction associated transcript (non-protein coding) Source MGI Symbol Acc MGI 2444886
D08	SBM1070269	ENSMUST00000181308.1	Ptgs2os2	ENSMUSG0000097754	prostaglandin-endoperoxide synthase 2, opposite strand 2 Source MGI Symbol Acc MGI 5477181
D09	SBM0871527	ENSMUST00000133221.2	Trp53cor1	ENSMUSG0000085912	tumor protein p53 pathway corepressor 1 Source MGI Symbol Acc MGI 3801771
D10	SBM0866171	ENSMUST00000181305.2	1700040D17Rik	ENSMUSG0000097515	RIKEN cDNA 1700040D17 gene Source MGI Symbol Acc MGI 1923852
D11	SBM1026909	ENSMUST00000180604.1	4930556M19Rik	ENSMUSG0000096971	RIKEN cDNA 4930556M19 gene Source MGI Symbol Acc MGI 1922509
D12	SBM0734288	ENSMUST00000117249.1	Dancr	ENSMUSG0000106943	differentiation antagonizing non-protein coding RNA Source MGI Symbol Acc MGI 1917286
E01	SBM0963468	ENSMUST00000220793.1	Dio3os	ENSMUSG0000113581	deiodinase, iodothyronine type III, opposite strand Source MGI Symbol Acc MGI 2664395
E02	SBM0766068	ENSMUST00000124842.7	Firre	ENSMUSG0000085396	functional intergenic repeating RNA element Source MGI Symbol Acc MGI 2147989
E03	SBM0939730	ENSMUST00000126238.2	Gm16759	ENSMUSG0000086539	predicted gene, 16759 Source MGI Symbol Acc MGI 4439683
E04	SBM0810402	ENSMUST00000226239.1	Gm4419	ENSMUSG0000097055	predicted gene 4419 Source MGI Symbol Acc MGI 3782604
E05	SBM0843030	ENSMUST00000100000.2	Haglr	ENSMUSG0000075277	Hoxd antisense growth associated long non-coding RNA Source MGI Symbol Acc MGI 3026978
E06	SBM0701018	ENSMUST00000155922.1	Hoxas2	ENSMUSG0000056445	Hoxa cluster antisense RNA 2 Source MGI Symbol Acc MGI 1913890
E07	SBM1070107	ENSMUST00000185789.2	Kcnq1ot1	ENSMUSG0000101609	KCNQ1 overlapping transcript 1 Source MGI Symbol Acc MGI 1926855
E08	SBM0696794	ENSMUST00000083637.1	Mir326	ENSMUSG0000065571	microRNA 326 Source MGI Symbol Acc MGI 3619338
E09	SBM0872872	ENSMUST00000236192.1	Mirt1	ENSMUSG0000097636	myocardial infarction associated transcript 1 Source MGI Symbol Acc MGI 1922001
E10	SBM0676665	ENSMUST00000151427.1	Gm14005	ENSMUSG0000074813	predicted gene 14005 Source MGI Symbol Acc MGI 3652191
E11	SBM1048654	ENSMUST00000181269.2	Redrum	ENSMUSG0000096982	Redrum, erythroid developmental long intergenic non-protein coding transcript Source MGI Symbol Acc MGI 1924683
E12	SBM1081202	ENSMUST00000206155.1	Snhg1	ENSMUSG0000108414	small nucleolar RNA host gene 1 Source MGI Symbol Acc MGI 3763743
F01	SBM0977549	ENSMUST00000188976.1	Snhg14	ENSMUSG0000100826	small nucleolar RNA host gene 14 Source MGI Symbol Acc MGI 1289201
F02	SBM0675522	ENSMUST00000200092.1	Sox2ot	ENSMUSG0000105265	SOX2 overlapping transcript (non-protein coding) Source MGI Symbol Acc MGI 2444112
F03	SBM0966676	ENSMUST00000147425.1	1700020114Rik	ENSMUSG0000085438	RIKEN cDNA 1700020114 gene Source MGI Symbol Acc MGI 1913852
F04	SBM0866398	ENSMUST00000135114.7	5530601H04Rik	ENSMUSG0000087174	RIKEN cDNA 5530601H04 gene Source MGI Symbol Acc MGI 1918695
F05	SBM0885172	ENSMUST00000150051.7	6820431F20Rik	ENSMUSG0000071796	RIKEN cDNA 6820431F20 gene Source MGI Symbol Acc MGI 3694236
F06	SBM0897505	ENSMUST00000155165.1	A430108G06Rik	ENSMUSG0000086851	RIKEN cDNA A430108G06 gene Source MGI Symbol Acc MGI 2442478
F07	SBM0683430	ENSMUST00000131907.8	C130071C03Rik	ENSMUSG0000050334	RIKEN cDNA C130071C03 gene Source MGI Symbol Acc MGI 2443574
F08	SBM0835487	ENSMUST00000176590.1	Slc2a4rg-ps	ENSMUSG0000085028	Slc2a4 regulator, pseudogene Source MGI Symbol Acc MGI 3651388
F09	SBM0696874	ENSMUST00000180526.1	Zfa-ps	ENSMUSG0000049576	zinc finger protein, autosomal, pseudogene Source MGI Symbol Acc MGI 99153
F10	SBM0757180	ENSMUST00000138617.1	Atxn7l1os2	ENSMUSG0000085664	ataxin 7-like 1, opposite strand 2 Source MGI Symbol Acc MGI 1923086

Position	Assay	Name	Symbol	Ensembl ID	Description
F11	SBM0911977	ENSMUST00000044500.5	Gm4117	ENSMUSG0000089940	predicted gene 4117 Source MGI Symbol Acc MGI 3782293
F12	SBM1004249	ENSMUST00000181808.2	Mir124a-1 hg	ENSMUSG0000097545	Mir124-1 host gene (non-protein coding) Source MGI Symbol Acc MGI 2442197
G01	SBM1069990	ENSMUST00000126735.7	Pcsk2os1	ENSMUSG0000086171	proprotein convertase subtilisin/kexin type 2, opposite strand 1 Source MGI Symbol Acc MGI 3605632
G02	SBM1035873	ENSMUST00000126591.1	Platr21	ENSMUSG0000086807	pluripotency associated transcript 21 Source MGI Symbol Acc MGI 1925776
G03	SBM1088856	ENSMUST00000218008.1	Rnf227	ENSMUSG0000043419	ring finger protein 227 Source MGI Symbol Acc MGI 1915359
G04	SBM0870732	ENSMUST00000150239.1	Ttc39aos1	ENSMUSG0000085873	Ttc39a opposite strand RNA 1 Source MGI Symbol Acc MGI 3651956
G05	SBM0898738	ENSMUST00000180693.7	5830432E09Rik	ENSMUSG0000097471	RIKEN cDNA 5830432E09 gene Source MGI Symbol Acc MGI 1915015
G06	SBM0987746	ENSMUST00000181882.2	9530052C20Rik	ENSMUSG0000097858	RIKEN cDNA 9530052C20 gene Source MGI Symbol Acc MGI 2443632
G07	SBM0872859	ENSMUST00000181226.7	A330023F24Rik	ENSMUSG0000096929	RIKEN cDNA A330023F24 gene Source MGI Symbol Acc MGI 2443958
G08	SBM0882320	ENSMUST00000181893.7	D430036J16Rik	ENSMUSG0000097466	RIKEN cDNA D430036J16 gene Source MGI Symbol Acc MGI 2441977
G09	SBM0762066	ENSMUST00000133723.1	Gm15050	ENSMUSG0000087626	predicted gene 15050 Source MGI Symbol Acc MGI 3705180
G10	SBM0688970	ENSMUST00000098305.3	4632427E13Rik	ENSMUSG0000074024	RIKEN cDNA 4632427E13 gene Source MGI Symbol Acc MGI 1915436
G11	SBM1009018	ENSMUST00000181327.1	4930554H23Rik	ENSMUSG0000097682	RIKEN cDNA 4930554H23 gene Source MGI Symbol Acc MGI 1924881
G12	SBM0893149	ENSMUST00000181344.1	4931440J10Rik	ENSMUSG0000097775	RIKEN cDNA 4931440J10 gene Source MGI Symbol Acc MGI 1918250
H01	SBM1220560	ENSMUST00000100497.10	Actb	ENSMUSG0000029580	actin, beta Source MGI Symbol Acc MGI 87904
H02	SBM0675336	ENSMUST00000102476.4	B2m	ENSMUSG0000060802	beta-2 microglobulin Source MGI Symbol Acc MGI 88127
H03	SBM1220562	ENSMUST00000117757.8	Gapdh	ENSMUSG0000057666	glyceraldehyde-3-phosphate dehydrogenase Source MGI Symbol Acc MGI 95640
H04	SBM1220563	ENSMUST00000026613.13	Gusb	ENSMUSG0000025534	glucuronidase, beta Source MGI Symbol Acc MGI 95872
H05	SBM1220564	ENSMUST00000166469.7	Hsp90ab1	ENSMUSG0000023944	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 IncRNA Focus Panels; available in 96-well, 384-well, and Rotor-Disc 100 formats	249940
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 SYBR Green RT-PCR Kit (100)*	For 100 x 20 μ l reactions: 1 ml QuantiNova SYBR Green RT-PCR Master Mix, 20 μ l QuantiNova SYBR Green 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	208152
QuantiNova SYBR Green PCR Kit (100)*	For 100 x 20 μ l reactions: 1 ml 2x QuantiNova SYBR Green PCR Master Mix, 500 μ l QuantiNova Yellow Template Dilution Buffer, 250 μ l QN ROX Reference Dye, 1.9 ml Water	208052

*Larger kit sizes available.

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

For up-to-date licensing information and product-specific disclaimers, see the respective QIAGEN kit handbook or user manual. QIAGEN kit handbooks and user manuals are available at www.qiagen.com or can be requested from QIAGEN Technical Services or your local distributor.

Trademarks: QIAGEN®, LNA®, QuantiNova®, Sample to Insight® (QIAGEN Group); SYBR® (Life Technologies Corp.). Registered names, trademarks, etc. used in this document, even when not specifically marked as such, are not to be considered unprotected by law.

09/2019 © 2019 QIAGEN, all rights reserved.