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

Mouse Cancer PathwayFinder

Cat. no. 249951 SLMM-002ZR

For study focus gene expression analysis

Shipping and storage

QuantiNova LNA PCR lncRNA 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 lncRNA 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 lncRNA 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	Hotair	Malat1	H19	Neat1	Meg3	Pvt1	Gas5	Tug1	Xist	Hottip	Crnde	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	1110028F18Rik	1700020I14Rik	1700034P13Rik	2410006H16Rik	4930593C16Rik
E	4933408N05Rik	5430425K12Rik	6330410L21Rik	9530026P05Rik	9530059O14Rik	A330076H08Rik	A530072M11Rik	AI504432	Airn	AU040972	C130071C03Rik	C230004F18Rik
F	D630008O14Rik	Dleu2	Emx2os	F730043M19Rik	Fhitos	Gm10548	Gm12606	Gm15706	Gm16006	Gm17276	Gm19557	Hand2os1
G	Hoxaas2	Nespas	Nron	Rian	Rmst	Terc	Tsix	Lncpint	Pantr1	Gm14005	Snhg17	Dbhos
H	Actb	B2m	Gapdh	Gusb	Hsp90ab1	MGDC	QIC	QIC	QIC	PPC	PPC	PPC

Gene table: QuantiNova LNA PCR lncRNA Focus Panel

Position	Assay	Name	Symbol	Ensembl ID	Description
A01	SBM0797802	ENSMUST00000151949.4	Hotair	ENSMUSG00000086903	HOX transcript antisense RNA (non-protein coding) Source MGI Symbol Acc MGI 3826586
A02	SBM1031723	ENSMUST00000173314.1	Malat1	ENSMUSG00000092341	metastasis associated lung adenocarcinoma transcript 1 (non-coding RNA) Source MGI Symbol Acc MGI 1919539
A03	SBM0818653	ENSMUST00000152754.8	H19	ENSMUSG00000000031	H19, imprinted maternally expressed transcript Source MGI Symbol Acc MGI 95891
A04	SBM0868233	ENSMUST00000174829.1	Neat1	ENSMUSG00000092274	nuclear paraspeckle assembly transcript 1 (non-protein coding) Source MGI Symbol Acc MGI 1914211
A05	SBM0834892	ENSMUST00000143847.7	Meg3	ENSMUSG00000021268	maternally expressed 3 Source MGI Symbol Acc MGI 1202886
A06	SBM0965777	ENSMUST00000180432.8	Pvt1	ENSMUSG00000097039	Pvt1 oncogene Source MGI Symbol Acc MGI 97824
A07	SBM0674752	ENSMUST00000161005.7	Gas5	ENSMUSG00000053332	growth arrest specific 5 Source MGI Symbol Acc MGI 95659
A08	SBM0742445	ENSMUST00000153313.8	Tug1	ENSMUSG00000056579	taurine upregulated gene 1 Source MGI Symbol Acc MGI 2144114
A09	SBM1047908	ENSMUST00000127786.3	Xist	ENSMUSG00000086503	inactive X specific transcripts Source MGI Symbol Acc MGI 98974
A10	SBM0856716	ENSMUST00000152875.1	Hottip	ENSMUSG00000055408	Hoxa distal transcript antisense RNA Source MGI Symbol Acc MGI 3642509
A11	SBM1079975	ENSMUST00000034183.9	Crnde	ENSMUSG00000031736	colorectal neoplasia differentially expressed (non-protein coding) Source MGI Symbol Acc MGI 1918546
A12	SBM1081202	ENSMUST00000206155.1	Snhg1	ENSMUSG00000108414	small nucleolar RNA host gene 1 Source MGI Symbol Acc MGI 3763743
B01	SBM0677076	ENSMUST00000136378.1	Zfas1	ENSMUSG00000074578	zinc finger, NFX1-type containing 1, antisense RNA 1 Source MGI Symbol Acc MGI 1916199
B02	SBM0734288	ENSMUST00000117249.1	Dancr	ENSMUSG00000106943	differentiation antagonizing non-protein coding RNA Source MGI Symbol Acc MGI 1917286
B03	SBM0760766	ENSMUST00000156515.8	Hoxa11os	ENSMUSG00000086427	homeobox A11, opposite strand Source MGI Symbol Acc MGI 107208
B04	SBM0746127	ENSMUST00000182509.7	Miat	ENSMUSG00000097767	myocardial infarction associated transcript (non-protein coding) Source MGI Symbol Acc MGI 2444886
B05	SBM0825665	ENSMUST00000232695.1	Snhg20	ENSMUSG00000086859	small nucleolar RNA host gene 20 Source MGI Symbol Acc MGI 1924222
B06	SBM0870308	ENSMUST00000182580.7	Snhg6	ENSMUSG00000098234	small nucleolar RNA host gene 6 Source MGI Symbol Acc MGI 1921074
B07	SBM0675522	ENSMUST00000200092.1	Sox2ot	ENSMUSG00000105265	SOX2 overlapping transcript (non-protein coding) Source MGI Symbol Acc MGI 2444112
B08	SBM1089902	ENSMUST00000209718.1	Gm20219	ENSMUSG00000110218	predicted gene, 20219 Source MGI Symbol Acc MGI 5012404
B09	SBM0901777	ENSMUST00000129570.1	Snhg15	ENSMUSG00000085156	small nucleolar RNA host gene 15 Source MGI Symbol Acc MGI 3650059
B10	SBM0703192	ENSMUST00000123272.1	Foxd2os	ENSMUSG00000085399	forkhead box D2, opposite strand Source MGI Symbol Acc MGI 2444065
B11	SBM1021174	ENSMUST00000153474.8	Snhg12	ENSMUSG00000086290	small nucleolar RNA host gene 12 Source MGI Symbol Acc MGI 1916721
B12	SBM0871527	ENSMUST00000133221.2	Trp53cor1	ENSMUSG00000085912	tumor protein p53 pathway corepressor 1 Source MGI Symbol Acc MGI 3801771
C01	SBM0693359	ENSMUST00000183045.1	Snhg5	ENSMUSG00000097195	small nucleolar RNA host gene 5 Source MGI Symbol Acc MGI 1919905
C02	SBM1070107	ENSMUST00000185789.2	Kcnq1ot1	ENSMUSG00000101609	KCNQ1 overlapping transcript 1 Source MGI Symbol Acc MGI 1926855
C03	SBM0849360	ENSMUST00000131841.7	Snhg7os	ENSMUSG00000086775	small nucleolar RNA host gene 7, opposite strand Source MGI Symbol Acc MGI 3045374
C04	SBM0970895	ENSMUST00000196466.1	Snhg8	ENSMUSG00000104960	small nucleolar RNA host gene 8 Source MGI Symbol Acc MGI 1917145
C05	SBM0674727	ENSMUST00000159827.2	Dlx6os1	ENSMUSG00000090063	distal-less homeobox 6, opposite strand 1 Source MGI Symbol Acc MGI 2443217
C06	SBM0966445	ENSMUST00000237368.1	Ftx	ENSMUSG00000086370	Ftx transcript, Xist regulator (non-protein coding) Source MGI Symbol Acc MGI 1926128
C07	SBM0834765	ENSMUST00000136127.1	Snhg3	ENSMUSG00000085241	small nucleolar RNA host gene 3 Source MGI Symbol Acc MGI 2684817
C08	SBM0859710	ENSMUST00000127150.8	Zeb2os	ENSMUSG00000052248	zinc finger E-box binding homeobox 2, opposite strand Source MGI Symbol Acc MGI 3652108
C09	SBM1072397	ENSMUST00000136022.7	Abhd11os	ENSMUSG00000085042	abhydrolase domain containing 11, opposite strand Source MGI Symbol Acc MGI 1917062
C10	SBM0827530	ENSMUST00000141681.1	Igf2os	ENSMUSG00000086266	insulin-like growth factor 2, opposite strand Source MGI Symbol Acc MGI 1195257
		ENSMUST00000		ENSMUSG00	

Position	Assay	Name	Symbol	Ensembl ID	Description
C11	SBM0977549	188976.1	Snhg14	000100826	small nucleolar RNA host gene 14 Source MGI Symbol Acc MGI 1289201
C12	SBM0820502	ENSMUST00000182264.1	Fendrr	ENSMUSG00000097336	Foxf1 adjacent non-coding developmental regulatory RNA Source MGI Symbol Acc MGI 1916040
D01	SBM0834803	ENSMUST00000172701.7	Wt1os	ENSMUSG00000074987	Wilms tumor 1 homolog, opposite strand Source MGI Symbol Acc MGI 2138884
D02	SBM0976861	ENSMUST00000139272.1	Gm12610	ENSMUSG00000086035	predicted gene 12610 Source MGI Symbol Acc MGI 3652143
D03	SBM1005069	ENSMUST00000231725.1	Dnm3os	ENSMUSG00000078190	dynamin 3, opposite strand Source MGI Symbol Acc MGI 3052332
D04	SBM0766068	ENSMUST00000124842.7	Firre	ENSMUSG00000085396	functional intergenic repeating RNA element Source MGI Symbol Acc MGI 2147989
D05	SBM0712055	ENSMUST00000181020.8	Jpx	ENSMUSG00000097571	Jpx transcript, Xist activator (non-protein coding) Source MGI Symbol Acc MGI 2180008
D06	SBM1004249	ENSMUST00000181808.2	Mir124a-1hg	ENSMUSG00000097545	Mir124-1 host gene (non-protein coding) Source MGI Symbol Acc MGI 2442197
D07	SBM0843030	ENSMUST00000100000.2	Haglr	ENSMUSG00000075277	Hoxd antisense growth associated long non-coding RNA Source MGI Symbol Acc MGI 3026978
D08	SBM0943916	ENSMUST00000183365.1	1110028F18Rik	ENSMUSG00000099139	RIKEN cDNA 1110028F18 gene Source MGI Symbol Acc MGI 1915942
D09	SBM0966676	ENSMUST00000147425.1	1700020I14Rik	ENSMUSG00000085438	RIKEN cDNA 1700020I14 gene Source MGI Symbol Acc MGI 1913852
D10	SBM0890135	ENSMUST00000181358.7	1700034P13Rik	ENSMUSG00000097893	RIKEN cDNA 1700034P13 gene Source MGI Symbol Acc MGI 1920581
D11	SBM0737445	ENSMUST00000131787.1	2410006H16Rik	ENSMUSG00000086841	RIKEN cDNA 2410006H16 gene Source MGI Symbol Acc MGI 1916471
D12	SBM0808094	ENSMUST00000140589.2	4930593C16Rik	ENSMUSG00000086365	RIKEN cDNA 4930593C16 gene Source MGI Symbol Acc MGI 1925310
E01	SBM0940249	ENSMUST00000139864.1	4933408N05Rik	ENSMUSG00000084848	RIKEN cDNA 4933408N05 gene Source MGI Symbol Acc MGI 1918372
E02	SBM0834338	ENSMUST00000224538.1	5430425K12Rik	ENSMUSG00000114554	RIKEN cDNA 5430425K12 gene Source MGI Symbol Acc MGI 1918666
E03	SBM1004209	ENSMUST00000199846.1	6330410L21Rik	ENSMUSG00000105960	RIKEN cDNA 6330410L21 gene Source MGI Symbol Acc MGI 2441710
E04	SBM0838749	ENSMUST00000181121.7	9530026P05Rik	ENSMUSG00000097462	RIKEN cDNA 9530026P05 gene Source MGI Symbol Acc MGI 1924659
E05	SBM1033705	ENSMUST00000181682.8	9530059O14Rik	ENSMUSG00000097736	RIKEN cDNA 9530059O14 gene Source MGI Symbol Acc MGI 2442421
E06	SBM0718320	ENSMUST00000207694.1	A330076H08Rik	ENSMUSG00000109321	RIKEN cDNA A330076H08 gene Source MGI Symbol Acc MGI 2443193
E07	SBM0998063	ENSMUST00000151122.1	A530072M11Rik	ENSMUSG00000085112	RIKEN cDNA gene A530072M11 Source MGI Symbol Acc MGI 4440477
E08	SBM0764091	ENSMUST00000070085.5	AI504432	ENSMUSG00000056145	expressed sequence AI504432 Source MGI Symbol Acc MGI 2139742
E09	SBM0922825	ENSMUST00000159731.1	Airn	ENSMUSG00000078247	antisense Igf2r RNA Source MGI Symbol Acc MGI 1353471
E10	SBM0888321	ENSMUST00000165610.1	AU040972	ENSMUSG00000091523	expressed sequence AU040972 Source MGI Symbol Acc MGI 2144426
E11	SBM0683430	ENSMUST00000131907.8	C130071C03Rik	ENSMUSG00000050334	RIKEN cDNA C130071C03 gene Source MGI Symbol Acc MGI 2443574
E12	SBM0703975	ENSMUST00000096426.5	C230004F18Rik	ENSMUSG00000071753	RIKEN cDNA C230004F18 gene Source MGI Symbol Acc MGI 3041217
F01	SBM0672582	ENSMUST00000149909.1	D630008O14Rik	ENSMUSG00000054006	RIKEN cDNA D630008O14 gene Source MGI Symbol Acc MGI 3698880
F02	SBM0838359	ENSMUST00000182325.7	Dleu2	ENSMUSG00000097589	deleted in lymphocytic leukemia, 2 Source MGI Symbol Acc MGI 1934030
F03	SBM0777798	ENSMUST00000136990.2	Emx2os	ENSMUSG00000087095	Emx2 opposite strand/antisense transcript (non-protein coding) Source MGI Symbol Acc MGI 3052329
F04	SBM0914379	ENSMUST00000140105.7	F730043M19Rik	ENSMUSG00000052125	RIKEN cDNA F730043M19 gene Source MGI Symbol Acc MGI 2443237
F05	SBM0940350	ENSMUST00000160149.1	Fhitos	ENSMUSG00000089833	fragile histidine triad gene, opposite strand Source MGI Symbol Acc MGI 4414962
F06	SBM0935307	ENSMUST00000097631.2	Gm10548	ENSMUSG00000073607	predicted gene 10548 Source MGI Symbol Acc MGI 3641893
F07	SBM1004344	ENSMUST00000127174.1	Gm12606	ENSMUSG00000087659	predicted gene 12606 Source MGI Symbol Acc MGI 3649222
F08	SBM0886652	ENSMUST00000139612.1	Gm15706	ENSMUSG00000086013	predicted gene 15706 Source MGI Symbol Acc MGI 3783146
F09	SBM1041050	ENSMUST00000160938.1	Gm16006	ENSMUSG00000090002	predicted gene 16006 Source MGI Symbol Acc MGI 3801853
F10	SBM0881597	ENSMUST00000236612.1	Gm17276	ENSMUSG00000097305	predicted gene, 17276 Source MGI Symbol Acc MGI 4936910

Position	Assay	Name	Symbol	Ensembl ID	Description
F11	SBM0830660	ENSMUST00000182109.1	Gm19557	ENSMUSG00000097990	predicted gene, 19557 Source MGI Symbol Acc MGI 5011742
F12	SBM0840457	ENSMUST00000225291.1	Hand2os1	ENSMUSG00000100510	Hand2, opposite strand 1 Source MGI Symbol Acc MGI 5578769
G01	SBM0701018	ENSMUST00000155922.1	Hoxaas2	ENSMUSG00000056445	Hoxa cluster antisense RNA 2 Source MGI Symbol Acc MGI 1913890
G02	SBM1014180	ENSMUST00000151472.7	Nespas	ENSMUSG00000086537	neuroendocrine secretory protein antisense Source MGI Symbol Acc MGI 1861674
G03	SBM0702429	ENSMUST00000140412.1	Nron	ENSMUSG00000086484	non-protein coding RNA, repressor of NFAT Source MGI Symbol Acc MGI 2444126
G04	SBM0745954	ENSMUST00000182689.7	Rian	ENSMUSG00000097451	RNA imprinted and accumulated in nucleus Source MGI Symbol Acc MGI 1922995
G05	SBM1023163	ENSMUST00000220288.1	Rmst	ENSMUSG00000112117	rhabdomyosarcoma 2 associated transcript (non-coding RNA) Source MGI Symbol Acc MGI 1099806
G06	SBM0745223	ENSMUST00000082862.1	Terc	ENSMUSG00000064796	telomerase RNA component Source MGI Symbol Acc MGI 109558
G07	SBM0694024	ENSMUST00000152916.1	Tsix	ENSMUSG00000085715	X (inactive)-specific transcript, opposite strand Source MGI Symbol Acc MGI 1336196
G08	SBM0763604	ENSMUST00000187876.6	Lncpint	ENSMUSG00000044471	long non-protein coding RNA, Trp53 induced transcript Source MGI Symbol Acc MGI 2673128
G09	SBM0891892	ENSMUST00000181725.7	Pantr1	ENSMUSG00000060424	POU domain, class 3, transcription factor 3 adjacent noncoding transcript 1 Source MGI Symbol Acc MGI 1913547
G10	SBM0676665	ENSMUST00000151427.1	Gm14005	ENSMUSG00000074813	predicted gene 14005 Source MGI Symbol Acc MGI 3652191
G11	SBM0861122	ENSMUST00000154030.7	Snhg17	ENSMUSG00000085385	small nucleolar RNA host gene 17 Source MGI Symbol Acc MGI 1915358
G12	SBM0747105	ENSMUST00000150024.1	Dbhos	ENSMUSG00000085008	dopamine beta hydroxylase, opposite strand Source MGI Symbol Acc MGI 3652314
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 lncRNA Focus Panels; available in 96-well, 384-well, and Rotor-Disc 100 formats	249940
QuantiNova Reverse Transcription Kit (10)*	For 10 x 20 µl reactions: 20 µl 8x gDNA Removal Mix, 10 µl Reverse Transcription Enzyme, 40 µl Reverse Transcription Mix (containing RT primers), 20 µl Internal Control RNA, 1.9 ml RNase-Free Water	205410
QuantiNova SYBR Green RT-PCR Kit (100)*	For 100 x 20 µl reactions: 1 ml QuantiNova SYBR Green RT-PCR Master Mix, 20 µl QuantiNova SYBR Green RT Mix, 20 µl Internal Control RNA, 500 µl Yellow Template Dilution Buffer, 250 µl ROX Reference Dye, 1.9 µl RNase-Free Water	208152
QuantiNova SYBR Green PCR Kit (100)*	For 100 x 20 µl reactions: 1 ml 2x QuantiNova SYBR Green PCR Master Mix, 500 µl QuantiNova Yellow Template Dilution Buffer, 250 µl QN ROX Reference Dye, 1.9 ml Water	208052

*Larger kit sizes available.

The QuantiNova LNA PCR lncRNA 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.