

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

Mouse Allergy & Asthma

Cat. no. 249950 SBMM-067ZA

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 for further details.

	1	2	3	4	5	6	7	8	9	10	11	12
A	Adam33	Adrb2	Alox5	Areg	Arg1	Bcl6	Ccl11	Ccl12	Ccl17	Ccl22	Ccl24	Ccl26
B	Ccl4	Ccl5	Ccr3	Ccr4	Ccr8	Cd40lg	Chil1	Chia1	Clea1	Cma1	Cpa3	Crlf2
C	Csf2	Csf3r	Cyslr1	Rnase2a	Rnase2b	Epx	Ets1	Fcer1a	Foxp3	Gata3	Ptgsd2	Icos
D	Ifng	Ifng2	Il10	Il12a	Il12b	Il13	Il13ra1	Il13ra2	Il17a	Il17rb	Il18	Il1r1
E	Il21	Il25	Il2ra	Il3	Il33	Il3ra	Il4	Il4ra	Il5	Il5ra	Il9	Ilga4
F	Kit	Kitl	Ltb4r1	Maf	Mmp9	Mrc1	Ms4a2	Muc5ac	Pdcd1	Pmch	Postn	Pparg
G	Prg2	Retnlg	Rorc	Satb1	Stat5a	Stat6	Tbx21	Tgfb1	Tnfrsf4	Tnfrsf4	Tpsb2	Tslp
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	SBM1093583	ENSMUST00000110232.8	Adam33	ENSMUSG0000027318	a disintegrin and metallopeptidase domain 33 Source MGI Symbol Acc MGI 1341813
A02	SBM1025763	ENSMUST00000053640.4	Adrb2	ENSMUSG0000045730	adrenergic receptor, beta 2 Source MGI Symbol Acc MGI 87938
A03	SBM0830704	ENSMUST00000026795.12	Alox5	ENSMUSG0000025701	arachidonate 5-lipoxygenase Source MGI Symbol Acc MGI 87999
A04	SBM0693356	ENSMUST00000031325.5	Areg	ENSMUSG0000029378	amphiregulin Source MGI Symbol Acc MGI 88068
A05	SBM0929575	ENSMUST000000218260.1	Arg1	ENSMUSG0000019987	arginase, liver Source MGI Symbol Acc MGI 88070
A06	SBM1068298	ENSMUST00000023151.5	Bcl6	ENSMUSG0000022508	B cell leukemia/lymphoma 6 Source MGI Symbol Acc MGI 107187
A07	SBM0757192	ENSMUST00000000342.2	Ccl11	ENSMUSG0000020676	chemokine (C-C motif) ligand 11 Source MGI Symbol Acc MGI 103576
A08	SBM0687223	ENSMUST00000000194.3	Ccl12	ENSMUSG0000035352	chemokine (C-C motif) ligand 12 Source MGI Symbol Acc MGI 108224
A09	SBM0699395	ENSMUST00000034232.2	Ccl17	ENSMUSG0000031780	chemokine (C-C motif) ligand 17 Source MGI Symbol Acc MGI 1329039
A10	SBM0685855	ENSMUST00000034231.3	Ccl22	ENSMUSG0000031779	chemokine (C-C motif) ligand 22 Source MGI Symbol Acc MGI 1306779
A11	SBM0867136	ENSMUST00000004936.9	Ccl24	ENSMUSG0000004814	chemokine (C-C motif) ligand 24 Source MGI Symbol Acc MGI 1928953
A12	SBM0692130	ENSMUST00000094226.1	Ccl26	ENSMUSG0000070464	chemokine (C-C motif) ligand 26 Source MGI Symbol Acc MGI 3589281
B01	SBM0939661	ENSMUST00000019074.3	Ccl4	ENSMUSG0000018930	chemokine (C-C motif) ligand 4 Source MGI Symbol Acc MGI 98261
B02	SBM0703029	ENSMUST000000125015.1	Ccl5	ENSMUSG00000035042	chemokine (C-C motif) ligand 5 Source MGI Symbol Acc MGI 98262
B03	SBM1022292	ENSMUST00000039171.8	Ccr3	ENSMUSG0000035448	chemokine (C-C motif) receptor 3 Source MGI Symbol Acc MGI 104616
B04	SBM0824531	ENSMUST00000054414.4	Ccr4	ENSMUSG00000047898	chemokine (C-C motif) receptor 4 Source MGI Symbol Acc MGI 107824
B05	SBM0815029	ENSMUST00000048777.3	Ccr8	ENSMUSG0000042262	chemokine (C-C motif) receptor 8 Source MGI Symbol Acc MGI 1201402
B06	SBM0708134	ENSMUST00000033466.1	Cd40lg	ENSMUSG0000031132	CD40 ligand Source MGI Symbol Acc MGI 88337
B07	SBM0945906	ENSMUST000000144819.1	Chil1	ENSMUSG0000064246	chitinase-like 1 Source MGI Symbol Acc MGI 1340899
B08	SBM0733787	ENSMUST000000139086.1	Chia1	ENSMUSG0000062778	chitinase, acidic 1 Source MGI Symbol Acc MGI 1932052
B09	SBM0930289	ENSMUST000000029919.6	Clca1	ENSMUSG0000028255	chloride channel accessory 1 Source MGI Symbol Acc MGI 1346342
B10	SBM0775236	ENSMUST000000226280.1	Cma1	ENSMUSG0000022225	chymase 1, mast cell Source MGI Symbol Acc MGI 96941
B11	SBM1072033	ENSMUST000000001921.2	Cpa3	ENSMUSG0000001865	carboxypeptidase A3, mast cell Source MGI Symbol Acc MGI 88479
B12	SBM0959784	ENSMUST000000198960.1	Crif2	ENSMUSG0000033467	cytokine receptor-like factor 2 Source MGI Symbol Acc MGI 1889506
C01	SBM1080991	ENSMUST000000019060.5	Csf2	ENSMUSG0000018916	colony stimulating factor 2 (granulocyte-macrophage) Source MGI Symbol Acc MGI 1339752
C02	SBM0769548	ENSMUST000000140426.1	Csf3r	ENSMUSG0000028859	colony stimulating factor 3 receptor (granulocyte) Source MGI Symbol Acc MGI 1339755
C03	SBM0952574	ENSMUST000000064892.3	Cysl1r1	ENSMUSG0000052821	cysteinyl leukotriene receptor 1 Source MGI Symbol Acc MGI 1926218
C04	SBM0906333	ENSMUST000000061936.7	Rnase2a	ENSMUSG0000047222	ribonuclease, RNase A family, 2A (liver, eosinophil-derived neurotoxin) Source MGI Symbol Acc MGI 1890465
C05	SBM0904549	ENSMUST000000075648.3	Rnase2b	ENSMUSG0000059606	ribonuclease, RNase A family, 2B (liver, eosinophil-derived neurotoxin) Source MGI Symbol Acc MGI 1858598
C06	SBM1063593	ENSMUST000000125590.1	Epx	ENSMUSG0000052234	eosinophil peroxidase Source MGI Symbol Acc MGI 107569
C07	SBM0897035	ENSMUST000000184887.1	Ets1	ENSMUSG0000032035	E26 avian leukemia oncogene 1, 5 domain Source MGI Symbol Acc MGI 95455
C08	SBM0825377	ENSMUST000000193017.1	Fcer1a	ENSMUSG0000005339	Fc receptor, IgE, high affinity I, alpha polypeptide Source MGI Symbol Acc MGI 95494
C09	SBM0951877	ENSMUST000000234479.1	Foxp3	ENSMUSG0000039521	forkhead box P3 Source MGI Symbol Acc MGI 1891436
C10	SBM0782281	ENSMUST000000147533.1	Gata3	ENSMUSG0000015619	GATA binding protein 3 Source MGI Symbol Acc MGI 95663
		ENSMUST000000		ENSMUSG00	

Position	Assay	Name	Symbol	Ensembl ID	Description
C11	SBM0804277	037261.3	Ptgdr2	000034117	prostaglandin D2 receptor 2 Source MGI Symbol Acc MGI 1330275
C12	SBM0702277	ENSMUST00000 027162.11	Icos	ENSMUSG00 000026009	inducible T cell co-stimulator Source MGI Symbol Acc MGI 1858745
D01	SBM0903694	ENSMUST00000 068592.4	Ifng	ENSMUSG00 000055170	interferon gamma Source MGI Symbol Acc MGI 107656
D02	SBM0751475	ENSMUST00000 023687.8	Ifngr2	ENSMUSG00 000022965	interferon gamma receptor 2 Source MGI Symbol Acc MGI 107654
D03	SBM1004151	ENSMUST00000 016673.5	Il10	ENSMUSG00 000016529	interleukin 10 Source MGI Symbol Acc MGI 96537
D04	SBM0806519	ENSMUST00000 107816.3	Il12a	ENSMUSG00 000027776	interleukin 12a Source MGI Symbol Acc MGI 96539
D05	SBM0957286	ENSMUST00000 102796.9	Il12b	ENSMUSG00 000004296	interleukin 12b Source MGI Symbol Acc MGI 96540
D06	SBM0860496	ENSMUST00000 020650.1	Il13	ENSMUSG00 000020383	interleukin 13 Source MGI Symbol Acc MGI 96541
D07	SBM0817568	ENSMUST00000 033418.7	Il13ra1	ENSMUSG00 000017057	interleukin 13 receptor, alpha 1 Source MGI Symbol Acc MGI 105052
D08	SBM1040614	ENSMUST00000 033646.8	Il13ra2	ENSMUSG00 000031289	interleukin 13 receptor, alpha 2 Source MGI Symbol Acc MGI 1277954
D09	SBM1055424	ENSMUST00000 027061.4	Il17a	ENSMUSG00 000025929	interleukin 17A Source MGI Symbol Acc MGI 107364
D10	SBM0926842	ENSMUST00000 136726.1	Il17rb	ENSMUSG00 000015966	interleukin 17 receptor B Source MGI Symbol Acc MGI 1355292
D11	SBM0953194	ENSMUST00000 180021.1	Il18	ENSMUSG00 000039217	interleukin 18 Source MGI Symbol Acc MGI 107936
D12	SBM0977445	ENSMUST00000 174335.7	Il1rl1	ENSMUSG00 000026069	interleukin 1 receptor-like 1 Source MGI Symbol Acc MGI 98427
E01	SBM0747287	ENSMUST00000 161015.1	Il21	ENSMUSG00 000027718	interleukin 21 Source MGI Symbol Acc MGI 1890474
E02	SBM1081255	ENSMUST00000 037863.5	Il25	ENSMUSG00 000040770	interleukin 25 Source MGI Symbol Acc MGI 2155888
E03	SBM1067326	ENSMUST00000 028111.5	Il2ra	ENSMUSG00 000026770	interleukin 2 receptor, alpha chain Source MGI Symbol Acc MGI 96549
E04	SBM1089901	ENSMUST00000 019058.5	Il3	ENSMUSG00 000018914	interleukin 3 Source MGI Symbol Acc MGI 96552
E05	SBM0679001	ENSMUST00000 120388.8	Il33	ENSMUSG00 000024810	interleukin 33 Source MGI Symbol Acc MGI 1924375
E06	SBM0939274	ENSMUST00000 090591.3	Il3ra	ENSMUSG00 000068758	interleukin 3 receptor, alpha chain Source MGI Symbol Acc MGI 96553
E07	SBM0926369	ENSMUST00000 150568.7	Il4	ENSMUSG00 000000869	interleukin 4 Source MGI Symbol Acc MGI 96556
E08	SBM0691649	ENSMUST00000 206681.1	Il4ra	ENSMUSG00 000030748	interleukin 4 receptor, alpha Source MGI Symbol Acc MGI 105367
E09	SBM1034588	ENSMUST00000 048605.2	Il5	ENSMUSG00 000036117	interleukin 5 Source MGI Symbol Acc MGI 96557
E10	SBM0863497	ENSMUST00000 205004.1	Il5ra	ENSMUSG00 000005364	interleukin 5 receptor, alpha Source MGI Symbol Acc MGI 96558
E11	SBM0847018	ENSMUST00000 022019.3	Il9	ENSMUSG00 000021538	interleukin 9 Source MGI Symbol Acc MGI 96563
E12	SBM0718988	ENSMUST00000 126312.1	Itga4	ENSMUSG00 000027009	integrin alpha 4 Source MGI Symbol Acc MGI 96603
F01	SBM0996057	ENSMUST00000 202167.1	Kit	ENSMUSG00 000005672	KIT proto-oncogene receptor tyrosine kinase Source MGI Symbol Acc MGI 96677
F02	SBM0685433	ENSMUST00000 105283.8	Kitl	ENSMUSG00 000019966	kit ligand Source MGI Symbol Acc MGI 96974
F03	SBM0814035	ENSMUST00000 057569.3	Ltb4r1	ENSMUSG00 000046908	leukotriene B4 receptor 1 Source MGI Symbol Acc MGI 1309472
F04	SBM0794374	ENSMUST00000 069009.6	Maf	ENSMUSG00 000055435	avian musculoaponeurotic fibrosarcoma oncogene homolog Source MGI Symbol Acc MGI 96909
F05	SBM1089430	ENSMUST00000 017881.2	Mmp9	ENSMUSG00 000017737	matrix metalloproteinase 9 Source MGI Symbol Acc MGI 97011
F06	SBM0994933	ENSMUST00000 028045.3	Mrc1	ENSMUSG00 000026712	mannose receptor, C type 1 Source MGI Symbol Acc MGI 97142
F07	SBM0811982	ENSMUST00000 186413.1	Ms4a2	ENSMUSG00 000024680	membrane-spanning 4-domains, subfamily A, member 2 Source MGI Symbol Acc MGI 95495
F08	SBM1021643	ENSMUST00000 155534.8	Muc5ac	ENSMUSG00 000037974	mucin 5, subtypes A and C, tracheobronchial/gastric Source MGI Symbol Acc MGI 104697
F09	SBM0712538	ENSMUST00000 027507.7	Pdcd1	ENSMUSG00 000026285	programmed cell death 1 Source MGI Symbol Acc MGI 104879
F10	SBM0732776	ENSMUST00000 048621.7	Pmch	ENSMUSG00 000035383	pro-melanin-concentrating hormone Source MGI Symbol Acc MGI 97629

Position	Assay	Name	Symbol	Ensembl ID	Description
F11	SBM1010273	ENSMUST00000073012.12	Postn	ENSMUSG00000027750	periostin, osteoblast specific factor Source MGI Symbol Acc MGI 1926321
F12	SBM1015614	ENSMUST00000205213.2	Pparg	ENSMUSG0000000440	peroxisome proliferator activated receptor gamma Source MGI Symbol Acc MGI 97747
G01	SBM1074065	ENSMUST00000028467.5	Prg2	ENSMUSG00000027073	proteoglycan 2, bone marrow Source MGI Symbol Acc MGI 103294
G02	SBM0720585	ENSMUST00000065666.5	Retnlg	ENSMUSG00000022651	resistin like gamma Source MGI Symbol Acc MGI 2667763
G03	SBM0832210	ENSMUST00000197040.4	Rorc	ENSMUSG00000028150	RAR-related orphan receptor gamma Source MGI Symbol Acc MGI 104856
G04	SBM1042551	ENSMUST00000144331.7	Satb1	ENSMUSG00000023927	special AT-rich sequence binding protein 1 Source MGI Symbol Acc MGI 105084
G05	SBM0789938	ENSMUST00000138083.7	Stat5a	ENSMUSG00000004043	signal transducer and activator of transcription 5A Source MGI Symbol Acc MGI 103036
G06	SBM0912507	ENSMUST00000156231.1	Stat6	ENSMUSG00000002147	signal transducer and activator of transcription 6 Source MGI Symbol Acc MGI 103034
G07	SBM1024821	ENSMUST00000001484.2	Tbx21	ENSMUSG00000001444	T-box 21 Source MGI Symbol Acc MGI 1888984
G08	SBM0850388	ENSMUST00000002678.9	Tgfb1	ENSMUSG00000002603	transforming growth factor, beta 1 Source MGI Symbol Acc MGI 98725
G09	SBM0900193	ENSMUST00000143576.1	Tnfrsf4	ENSMUSG00000029075	tumor necrosis factor receptor superfamily, member 4 Source MGI Symbol Acc MGI 104512
G10	SBM1089254	ENSMUST00000028024.4	Tnfsf4	ENSMUSG00000026700	tumor necrosis factor (ligand) superfamily, member 4 Source MGI Symbol Acc MGI 104511
G11	SBM1027445	ENSMUST00000234057.1	Tpsb2	ENSMUSG00000033825	tryptase beta 2 Source MGI Symbol Acc MGI 96942
G12	SBM1083336	ENSMUST00000025237.4	Tslp	ENSMUSG00000024379	thymic stromal lymphopoietin Source MGI Symbol Acc MGI 1855696
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 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 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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