



CENTRE
HOSPITALIER
UNIVERSITAIRE
BORDEAUX

Entité d'application : PBP- IPBC -

Emetteur : PBP - P2A - SBT

EN_LAB_18_2952

Ind : 02

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LISTE DES GENES DU PANEL NEURO

A1CF	AARSD1	AASS	ABCA13	ABCA4	ABCB1	ABCB5	ABCB8	ABCC2	ABCD3	ABHD11	ABI3	ABLIM1
ABR	ACADSB	ACADVL	ACBD5	ACBD6	ACHE	ACLY	ACO1	ACOT11	ACOT7	ACP4	ACP6	ACP7
ACSL5	ACTA2	ACTL8	ACTN4	ACTR1A	ACVR1	ADAM12	ADAM22	ADAMTS14	ADAMTSL1	ADAMTSL4	ADAP1	ADARB2
ADCY1	ADGRA1	ADGRL2	ADGRL4	ADK	ADRA2A	AFAP1L2	AGAP3	AGBL3	AGBL4	AGK	AGMAT	AGMO
AGO3	AGTPBP1	AHCYL2	AHDC1	AIMP2	AJAP1	AK3	AK4	AK5	AKAP10	AKAP8L	AKR1C3	AKR1D1
AKT2	ALDH1A1	ALDH3A1	ALDH3A2	ALDH9A1	ALG6	ALKBH5	ALOX12	ALOX12B	ALOX5	AMPH	AMZ1	ANK3
ANKFY1	ANKMY2	ANKRD27	ANKRD35	ANLN	ANP32B	ANXA11	AOAH	AOC2	AOPEP	AP1M1	AP2A1	AP2S1
APBA1	APBB1P	APOC2	ARHGAP19	ARHGAP22	ARHGAP35	ARHGAP44	ARHGEF10L	ARHGEF16	ARHGEF2	ARID5B	ARL17B	ARL3
ARMC10	ARMC3	ARMC4	ARMH3	ARPC1A	AS3MT	ASB16	ASB4	ASCC1	ASPA	ASTN1	ASZ1	ATAD1
ATF6	ATOH7	ATP13A2	ATP1A4	ATP5F1C	ATP6V0A1	ATP6V0A4	ATP6V0B	ATP8B2	ATPAF2	ATRNL1	ATRX	ATXN7L1
AUH	AUNIP	AURKB	AUTS2	AXDND1	AXL	AZIN2	B4GALNT2	B4GALT1	BAIAP2L1	BAZ1B	BBS9	BCAM
BCCIP	BCL10	BCL9	BCOR	BEND7	BICC1	BICRA	BLNK	BMP8A	BMP8B	BMPER	BMS1	BNC2
BNIP3	BORCS8	BRAF	BRCA1	BRD4	BRINP2	BRINP3	BSND	BSPH1	BTAf1	BTBD8	BTRC	BUD23
C10orf120	C10orf53	C10orf67	C10orf71	C17orf97	C1GALT1	C1orf105	C1orf109	C1orf127	C1orf167	C1orf174	C1orf185	C1orf87
C1QL1	C5AR2	C7orf33	C7orf50	C8A	C9orf153	C9orf57	CA6	CABCOC01	CABP5	CACHD1	CACNA1E	CACNA2D1
CACNB2	CACUL1	CADM4	CADPS2	CALCOCO2	CALCR	CALD1	CALN1	CAMK1D	CAMTA1	CAP1	CAPZB	CARD11
CARD8	CASD1	CASQ2	CASZ1	CATSPERG	CAV1	CBX1	CC2D2B	CCAR1	CCDC105	CCDC107	CCDC124	CCDC126
CCDC146	CCDC171	CCDC172	CCDC18	CCDC180	CCDC3	CCDC30	CCDC43	CCDC6	CCDC7	CCDC9	CCL26	CCNY
CCSER2	CCT6A	CD101	CD160	CD36	CD52	CD5L	CDC14B	CDC20	CDC27	CDC37L1	CDC42	CDC42SE1
CDCP2	CDH23	CDHR1	CDK1	CDK13	CDK14	CDK4	CDK6	CDKN2A	CDKN2B	CDRT15	CDRT4	CEACAM1
CEACAM19	CEACAM21	CEACAM6	CELF2	CENPP	CEP350	CEP78	CEP89	CFAP45	CFAP46	CFAP57	CFAP58	CFAP74
CFTR	CHCHD3	CHD1L	CHD5	CHI3L2	CHN2	CHPF2	CHRM2	CHRN2	CHST15	CHST3	CHST8	CILP2
CLC	CLCN1	CLDN19	CLEC10A	CLIC4	CLIP2	CLSTN1	CLUH	CNN3	CNNM1	CNNM2	CNOT3	CNTLN
CNTNAP2	COBL	COL11A1	COL13A1	COL15A1	COL16A1	COL17A1	COL24A1	COL26A1	COL28A1	COL9A2	COLGALT1	COLGALT2
COPE	COQ8B	CORO2A	COX10	CPA2	CPA5	CPAMD8	CPED1	CPVL	CPXM2	CRB1	CRCP	CREB3L2
CREB5	CREG1	CREM	CRHR1	CRHR2	CRNN	CRP	CRPPA	CRTAC1	CRTC1	CSMD2	CTBP2	CTH
CTNNA3	CTNNB1	CTNS	CTSS	CTSV	CTTNBP2	CTTNBP2NL	CTU1	CTXND2	CUBN	CUL1	CUL2	CUX1
CWF19L1	CYP2A6	CYP2C9	CYP2S1	CYP3A4	CYP3A43	CYP3A7	CYP4F2	CYP4F22	CYP4F3	CYP4F8	CYTH3	DAB1
DAGLB	DAPK1	DBF4B	DBNL	DCAF12	DCAKD	DCLRE1A	DCST2	DDA1	DDAH1	DDC	DERL2	DGKB
DGKI	DHCR24	DHDDS	DHR53	DHR57B	DHR57C	DHX8	DICER1	DIP2C	DIRAS2	DKKL1	DLD	DLG5
DLGAP3	DLX3	DMAC1	DMRT1	DMRT2	DMRTA2	DNAAF5	DNAH11	DNAH2	DNAH9	DNAJB6	DNAJB9	DNAJC12
DNAJC6	DNM3	DNMBP	DNTTIP2	DOCK1	DOCK4	DOCK8	DPCD	DPP6	DPYD	DTX2	DUSP27	DVL1
DYDC1	DYNC11I	EBF3	ECE1	EDDM13	EEF1AKMT2	EEPD1	EFHD2	EFTUD2	EGFR	EHD2	EIF2B3	EIF3K
EIF4EBP2	EIF4G3	EIF4H	ELAVL2	ELAVL4	ELL	ELMO1	ELN	ELOA	ELOVL3	EMC1	EMC10	EML2
ENKUR	EPHA2	EPHA8	EPHB2	EPHB4	EPN1	EPN2	EPS15	ERCC6L2	ERFL	ER13	ERICH3	ERICH4
ERMP1	ERVV2	ESPN	ETHE1	ETV1	ETV3	EVPLL	EXOC3L2	EXOC4	EXOC6	EXOSC10	EZH1	FAAP20
FAF1	FAM107B	FAM110D	FAM117A	FAM13C	FAM163A	FAM171A1	FAM183A	FAM189A2	FAM204A	FAM219A	FAM237B	FAM53B
FANCC	FANK1	FBH1	FBP2	FBXL13	FBXL18	FBXO24	FBXO42	FBXW4	FGBW4	FGBBP	FCGR2	FCRL5
FGFR1	FGGY	FHAD1	FKBP6	FKBP9	FLCN	FLNC	FMO2	FMO5	FOCAD	FOSB	FOXD3	FOXE1
FOXE3	FOXJ3	FOXK1	FOXP2	FPR2	FREM1	FRG2B	FRMD3	FRMD4A	FRMPD1	FUT2	FXYD4	FXYD5
G6PC3	GABBR2	GABPB2	GADD45A	GALNT11	GALNT17	GALNTL5	GARRE1	GAS7	GATAD2A	GBF1	GCK	GCNT1
GDA	GFAP	GFRA1	GHITM	GHRHR	GID4	GIMAP1	GIPC2	GJA5	GJA8	GJB3	GKAP1	GLCCI1
GLDC	GLI3	GLIS1	GLIS3	GLP2R	GLRX3	GLUD1	GMIP	GNA14	GNAI1	GNAQ	GNAT2	GNB1
GNG11	GNG12	GNL2	GOLM1	GPAM	GPATCH8	GPR141	GPR158	GPR42	GRAP	GRB10	GRHL3	GRID1
GRIK3	GRM3	GRM8	GRN	GSDME	GSTO1	GTF2I	GTF2IRD1	GTPBP4	GUCY2D	GYS1	H2AC18	H33A
H3C2	H3C3	HABP2	HACD1	HAPLN4	HAUS8	HDAC9	HECW1	HELLS	HEMGN	HEPACAM2	HES7	HIBADH
HIC1	HIP1	HIPK2	HIVEP3	HK1	HKDC1	HNRNPL	HNRNPUL1	HOXA11	HOXB1	HOXB13	HOXB3	HOXB9
HPN	HPSE2	HROB	HS3ST3A1	HS3ST3B1	HSD17B3	HSH2D	HSPA12A	HSPG2	HTRA1	ICA1	IDH1	IDH2
IFFO2	IFIT1B	IFIT2	IFNA16	IGF2BP1	IGF2BP3	IGFBPL1	IGFL3	IGSF21	IGSF8	IKZF1	IL11RA	IL12RB1
IL12RB2	IL15RA	IL23R	IL33	IL6R	IMMP2L	IMPDH1	ING3	INHBA	INMT	INPP5A	INPP5F	INSYN2A
INTS1	INTS3	IPP	IQCE	IQCN	ISG15	ISOC2	ISYNA1	ITGA8	ITGB3	ITGB8	ITI1H5	ITPRID1
JAK1	JAKMIP3	JAZF1	JCAD	KANK1	KANK4	KANSL1	KAT6B	KAT7	KAZN	KCNA10	KCNAB3	KCND2
KCND3	KCNJ12	KCNJ14	KCNMA1	KCNN1	KCNN3	KCNQ4	KCNT2	KCTD15	KDEL2	KDM4C	KDM7A	KIAA0319L
KIAA1217	KIAA1324	KIAA1549	KIAA1614	KIF1B	KIF20B	KIF24	KIF2C	KIF5B	KIR2DL3	KIR2DL4	KIRREL1	KLF14
KLF6	KLF9	KLHDC10	KLHL21	KLHL26	KLRG2	KMT2C	KNDC1	KPNA6	KRAS	KRT12	KRT17	KRT25
KRT31	KRT36	KRTAP412	KRTDAP	LAIR1	LAMB1	LAMC2	LANCL2	LAPTM5	LARP4B	LCE1A	LCE2B	LDB3
LEPR	LEPROT	LGALS13	LGALS7	LGI1	LHFPL3	LHPP	LHX4	LHX9	LILRB2	LINC02210	CRHR1	LIP
LIPK	LIPN	LMBR1	LMNA	LMO4	LMTK2	LMX1A	LOXL4	LPAR3	LRFN1	LRFN3	LRGUK	LRIF1
LRMDA	LRP8	LRRC20	LRRC27	LRRC38	LRRC47	LRRC4B	LRRC7	LRRC75A	LRRD1	LSM10	LSM14A	LSM4
LTBP4	LURAP1L	LUZP1	LY9	LYPD5	LZIC	MAB21L3	MACC1	MACF1	MACROH2A2	MAD1L1	MAGI2	MALRD1
MAMDC2	MAN1A2	MAN1C1	MAP11	MAP2K3	MAP2K4	MAP3K14	MAPK8	MAPT	MARCHF8	MARK4	MARVELD1	MAST2
MAST3	MAU2	MCM10	MCM7	MDFIC	MDH2	MDM2	MDM4	MED24	MED25	MED26	MED9	MEGF6
MEIS3	MEOX1	MEOX2	MEST	MET	METTL16	MFAP4	MFN2	MFSD14A	MGAM	MGAM2	MGMT	MICALL2
MICOS10NB1	MICU1	MIER1	MINDY3	MINDY4	MINK1	MINPP1	MKLN1	MKNK1	MKX	MLANA	MLH1	MLLT3
MMEL1	MNDA	MOB3B	MPDZ	MPP2	MPP3	MPRIIP	MRLN	MRM3	MRPL10	MRPL20	MRPS17	MSH2



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MSH6	MTAP	MTOR	MTPN	MTURN	MUL1	MUTYH	MYBBP1A	MYC	MYCL	MYCN	MYH10	MYH13
MYH14	MYH3	MYL10	MYO15A	MYO3A	MYO9B	MYOCD	MYOF	MYOM3	MYPN	MYPOP	MZF1	NAA35
NAA38	NADK	NAMPT	NAPEPLD	NASP	NATD1	NBPF14	NBPF15	NBPF26	NBR1	NCAPG2	NCBP3	NCOR1
NCR1	NDUF86	NDUF88	NEBL	NECTIN2	NEGR1	NEURL1	NF1	NF2	NF1A	NFIB	NFX1	NGF
NGFR	NKAIN1	NLGN2	NLRP1	NLRP2	NLRP4	NLRP5	NLRP8	NLRP9	NME7	NMRK1	NMT1	NMT2
NOM1	NOS1AP	NOTCH2	NOTCH3	NOVA2	NPEPP5	NPHP4	NPHS1	NPSR1	NPY	NR1H2	NR1I3	NR2F6
NRAP	NRCAM	NRG3	NRP1	NSF	NSMCE4A	NSUN4	NT5C1A	NTN1	NTNG1	NTRK2	NUDT13	NUDT19
NUDT5	NUF2	NUP210L	NUP62	NWD1	NXN	NXNL2	NXPH1	NXPH3	OAT	ODF4	OGDH	OLFM3
OPA3	OPRD1	OR10H1	OR10H4	OR10J1	OR1D2	OR1I1	OR2A25	OR3A2	OR3A3	OR6K2	ORC5	OSBPL3
OSBPL9	OTUD3	P2RX5	PADI3	PADI6	PAFAH1B1	PAFAH2	PAK4	PALD1	PALMD	PANK1	PANK4	PAOX
PAPPA2	PASS2	PARD3	PARS2	PATJ	PAX2	PAX5	PAX7	PAXIP1	PBX1	PCBD1	PCDH15	PCGF5
PCGF6	PCLO	PCSK5	PDCD11	PDCD1LG2	PDE1C	PDE4B	PDE6C	PDGFRA	PDPN	PDSS1	PDZK1IP1	PEMT
PEPD	PER3	PEX11B	PEX14	PFAS	PFKP	PGD	PGLYRP2	PGLYRP4	PGM1	PGM5	PGPEP1	PHB
PHC2	PHF2	PHTF2	PIGL	PIK3AP1	PIK3CA	PIK3CD	PIK3CG	PIK3R3	PIK3R5	PIK3R6	PILRA	PIMREG
PINK1	PIP5K1B	PIRT	PKD1L1	PKD2L1	PLA2G4A	PLA2G5	PLCD3	PLCE1	PLD3	PLEKHA4	PLEKHF1	PLEKHM1
PLGRKT	PLIN2	PLPP4	PLVAP	PLXDC2	PLXNA4	PMPCB	PMS2	PNMA8C	PNPO	PODXL	POLE	POLR3A
POLR3GL	POM121	POM121C	POM121L12	POMGNT1	PON3	POR	POU2F1	POU2F2	POU3F1	POU6F2	PPA1	PPIAL4A
PPIAL4G	PPIF	PPP1R12C	PPP1R13L	PPP1R17	PPP1R35	PPP1R37	PPP1R9A	PPP5C	PPRC1	PPY	PRCC	PRDM16
PRDM2	PRKAA2	PRKAG2	PRKAR1B	PRKAR2B	PRKCQ	PRKCZ	PRKD2	PRKG1	PRKRIP1	PROSER3	PRPF8	PRPS1L1
PRPSAP2	PRR9	PRRG2	PRTFDC1	PRUNE2	PRXL2A	PSAP	PSAT1	PSG2	PSG6	PSMB2	PSMB4	PSMC3IP
PSMD4	PSTK	PTCH1	PTCHD3	PTEN	PTER	PTGIR	PTN	PTPDC1	PTPN12	PTPRC	PTPRD	PTPRE
PTPRF	PTPRN2	PTPRZ1	PURB	PUS7	PWWP2B	RAB3A	RAB3B	RAB4B	RABEP1	RABGEF1	RADIL	RAI1
RALA	RALGPS2	RAMP3	RAP1A	RAP1GAP	RAP1GAP2	RAPGEF5	RASAL2	RASGEF1A	RB1	RBM17	RBM20	RBM33
RBM42	RCAN3	RCL1	RCSO1	RECK	REEP3	RELB	RELN	REPIN1	RER1	RERE	RFC2	RFLNB
RFX3	RGL1	RGS13	RHBDD2	RHCE	RHOBTB1	RHPN2	RIC1	RIIAD1	RIMKLA	RLF	RNASEL	RND2
RNF115	RNF19B	RNF216	RNF220	RNF222	RNF38	RNLS	ROR1	ROR2	RORB	RPA1	RPA3	RPEL1
RPH3AL	RPL18A	RPP30	RPRD2	RPS5	RRAGC	RSBN1	RSBN1L	RSPH6A	RSU1	RTN4RL1	RUNDC3A	RUNX3
RYR1	S100A10	S100A16	S100A7	S100BPB	SAE1	SAMD8	SAMD9L	SAXO1	SCMH1	SCO1	SCP2	SDC3
SDHAF3	SDK1	SEC16B	SEC61G	SELENOV	SELP	SEMA3A	SEMA3C	SEMA3E	SEMA4D	SEMA4G	SEPTIN14	SEPTIN7
SERINC2	SERPINF2	SF3A3	SFMBT2	SFTPD	SFXN3	SFXN4	SGCE	SGIP1	SGMS1	SGSM2	SH2B2	SH2D4B
SH3GL2	SH3PXD2A	SHANK1	SHB	SHH	SHISA6	SHMT1	SIGLEC10	SIGLEC11	SIGLEC5	SIGLEC6	SIGLEC7	SIN3B
SIPAL13	SKAP1	SKAP2	SKI	SLAMF6	SLC13A1	SLC13A4	SLC13A5	SLC16A12	SLC16A4	SLC17A7	SLC18A2	SLC1A1
SLC1A5	SLC1A7	SLC24A2	SLC25A13	SLC25A16	SLC25A33	SLC25A42	SLC26A3	SLC26A4	SLC26A5	SLC27A1	SLC29A3	SLC29A4
SLC2A5	SLC30A7	SLC35E1	SLC37A3	SLC39A12	SLC43A2	SLC44A5	SLC47A1	SLC4A1	SLC5A10	SLC6A16	SLC6A17	SLC7A10
SLC7A9	SLC9A1	SIF2	SLIT1	SMAP2	SMARCA2	SMARCA4	SMARCB1	SMC3	SMC5	SMG6	SMG9	SMIM17
SMNDC1	SMURF1	SND1	SNF8	SNX10	SNX13	SNX7	SNX8	SOAT1	SORBS1	SORCS1	SORCS3	SOST
SOSTDC1	SP4	SP8	SPACA6	SPAG17	SPATA1	SPATA46	SPATA48	SPATA6	SPECC1	SPEN	SPNS3	SPOP
SPRR5	SPSB1	SPTBN4	SRARP	SRPK2	SRRM1	SRRM3	SRSF4	SSBP3	SSC5D	SSU72	ST3GAL3	ST6GALNAC3
ST7	ST8SIA6	STAM	STAMBP1L	STARD3NL	STAT3	STEAP1B	STEAP4	STK31	STK32C	STX8	STXBP3	SUFU
SUGCT	SULT2A1	SULT2B1	SUN1	SUN3	SUPV3L1	SUSD3	SVIL	SVOP1	SYK	SYNC	SYT3	TAC4
TACC2	TAF12	TAF3	TASOR2	TAX1BP1	TBC1D12	TBKBP1	TBRG4	TBX15	TBX19	TBX20	TBX21	TBXAS1
TCAF2	TCEA3	TCERG1L	TCF7L2	TCHH	TCTEX1D1	TDRD12	TDRD5	TDRD7	TECPR1	TEK	TEK1	TEK3
TERT	TES	TESK2	TEX101	TEX36	TFAM	TGFB1	TGFB3	THEM5	THEMIS2	THRAP3	THSD7A	TIAL1
TINAGL1	TLCD4	TLE1	TLE4	TLL2	TMC1	TMCO4	TMEM101	TMEM130	TMEM161A	TMEM178B	TMEM196	TMEM221
TMEM229A	TMEM238	TMEM26	TMEM270	TMEM273	TMEM51	TMEM59	TMEM82	TMEM95	TNFRSF1B	TNFRSF8	TNFRSF9	TNFSF12
TNN	TNNI3K	TNR	TNRC18	TNS3	TNS4	TOM1L2	TOP3A	TOR1AIP1	TOR3A	TP53	TP73	TPK1
TPM4	TPR	TPRX1	TPST1	TRABD2B	TRAPPC3	TRIM50	TRPM3	TRPM4	TRPV1	TRPV2	TRPV3	TRRAP
TSHZ3	SPAN15	TSAN31	TTC39A	TTC39B	TTLL6	TUBAL3	TUFT1	TUT4	TUT7	TVP23C	TXNDC12	TYW1
TYW1B	UAP1	UBA2	UBA52	UBE2R2	UBE3C	UBE4B	UBQLN1	UBR4	UBT1	UCMA	UHRF2	ULK2
UMAD1	UNC13A	UNC5B	UPF1	UPF2	UPP1	URI1	USF2	USP24	USP42	USP43	USP48	USP6NL
VASP	VAV3	VENTX	VGF	VIPR2	VKORC1L1	VLDLR	VN1R4	VOPP1	VPS13A	VPS13D	VPS41	VPS50
VPS53	VSTM1	VSTM2A	VSTM4	VTCN1	VTI1A	VWC2	WAPL	WARS2	WASF2	WBP1L	WDFY4	WDR3
WDR37	WDR60	WDR63	WDR86	WDC1	WIPF3	WLS	WNK2	WNK4	WNT3	WNT8B	WNT9B	WSCD1
YBX2	YIPF1	YRDC	YWHA	YWHAG	ZBTB32	ZBTB4	ZBTB40	ZBTB5	ZC3H4	ZC3HAV1	ZCCHC17	ZCCHC24
ZDHHC21	ZEB1	ZFAND4	ZFP14	ZFP28	ZFP3	ZFP30	ZFYVE9	ZKSCAN1	ZMIZ1	ZMYM4	ZMYND11	ZMYND15
ZNF107	ZNF114	ZNF134	ZNF135	ZNF14	ZNF154	ZNF169	ZNF212	ZNF224	ZNF227	ZNF230	ZNF239	ZNF253
ZNF260	ZNF264	ZNF273	ZNF274	ZNF282	ZNF285	ZNF30	ZNF331	ZNF362	ZNF365	ZNF37A	ZNF383	ZNF398
ZNF404	ZNF418	ZNF420	ZNF438	ZNF45	ZNF467	ZNF471	ZNF473	ZNF479	ZNF480	ZNF487	ZNF507	ZNF511
ZNF518A	ZNF527	ZNF528	ZNF529	ZNF536	ZNF540	ZNF541	ZNF544	ZNF565	ZNF568	ZNF583	ZNF585A	ZNF600
ZNF606	ZNF607	ZNF615	ZNF624	ZNF649	ZNF652	ZNF665	ZNF680	ZNF716	ZNF722	ZNF727	ZNF735	ZNF736
ZNF761	ZNF773	ZNF780A	ZNF787	ZNF789	ZNF790	ZNF793	ZNF804B	ZNF805	ZNF83	ZNF836	ZNF841	ZNF850
ZNF853	ZNHIT1	ZNHIT6	ZBPB	ZRANB1	ZSCAN20	ZSCAN25	ZSCAN5A	ZSWIM5	ZSWIM9	ZYG11B	ZZEF1	