

Date	Février 2024
Panel	Troubles neuro-développementaux
Gène	Transcrit

A2ML1	NM_144670.6
AARS1	
AARS2	NM_020745.4
ABCA2	
ABCC9	NM_005691.4
ABCD1	NM_000033.4
ABCD4	NM_005050.4
ABHD16A	NM_021160.3
ABHD5	NM_016006.6
ACAD9	NM_014049.5
ACADS	NM_000017.4
ACAN	NM_013227.4
ACAT1	NM_000019.4
ACO2	
ACOX1	NM_004035.7
ACSF3	
ACSL4	NM_004458.3
ACTB	NM_001101.5
ACTG1	NM_001614.5
ACTL6A	
ACTL6B	NM_016188.5
ACVR1	NM_001105.5
ACY1	NM_000666.3
ADA	NM_000022.4
ADAM22	
ADAR	
ADARB1	NM_015833.4
ADAT3	
ADD1	
ADD3	
ADGRG1	
ADGRL1	NM_001008701.3
ADK	NM_001123.4
ADNP	NM_015339.5
ADPRS	NM_017825.3
ADSL	NM_000026.4
AFF2	NM_002025.4
AFF3	NM_002285.3
AFF4	NM_014423.4
AGA	NM_000027.4
AGMO	
AGO1	NM_012199.5
AGO2	

Date	Février 2024
Panel	Troubles neuro-développementaux
Gène	Transcrit
AGPAT2	NM_006412.4
AGPS	NM_003659.4
AGTPBP1	
AHCY	NM_000687.4
AHDC1	NM_001029882.3
AHI1	NM_017651.5
AIFM1	
AIMP1	
AIMP2	
AK1	
AKT3	NM_005465.7
ALDH18A1	NM_002860.4
ALDH3A2	NM_000382.3
ALDH5A1	NM_001080.3
ALDH7A1	NM_001182.5
ALDOB	NM_000035.4
ALG1	NM_019109.5
ALG11	
ALG12	NM_024105.4
ALG13	NM_001099922.3
ALG2	
ALG3	NM_005787.6
ALG6	NM_013339.4
ALG9	NM_024740.2
ALKBH8	NM_001301010.3
ALMS1	NM_001378454.1
ALS2	
AMER1	NM_152424.4
AMFR	
AMPD2	
AMT	NM_000481.4
ANAPC1	
ANK2	NM_001148.6
ANK3	NM_020987.5
ANKH	NM_054027.6
ANKRD1	NM_014391.3
ANKRD11	NM_013275.6
ANKRD17	NM_001286771.3
ANKS1B	NM_152788.4
ANO10	
ANO3	
ANOS1	NM_000216.4
AP1B1	

Date	Février 2024
Panel	Troubles neuro-développementaux
Gène	Transcrit
AP1G1	NM_001030007.2
AP1S1	
AP1S2	NM_003916.5
AP2M1	NM_004068.4
AP3B1	
AP3B2	
AP3D1	
AP4B1	NM_006594.5
AP4E1	NM_007347.5
AP4M1	NM_004722.4
AP4S1	NM_007077.5
APC2	NM_005883.3
APTX	NM_175073.3
ARCN1	
ARF1	
ARF3	
ARFGEF1	
ARFGEF2	NM_006420.3
ARG1	NM_000045.4
ARHGAP32	
ARHGAP35	
ARHGEF6	NM_004840.3
ARHGEF9	NM_015185.3
ARID1A	NM_006015.6
ARID1B	NM_001374820.1
ARID2	
ARIH1	NM_005744.5
ARL13B	NM_182896.3
ARL3	
ARL6	NM_177976.3
ARMC9	
ARPC4	
ARSA	NM_000487.6
ARSL	
ARV1	
ARX	NM_139058.3
ASAH1	NM_177924.5
ASH1L	NM_018489.3
ASL	NM_000048.4
ASNS	
ASPA	NM_000049.4
ASPM	NM_018136.5
ASS1	NM_000050.4

Date	Février 2024
Panel	Troubles neuro-développementaux
Gène	Transcrit

ASXL1	NM_015338.6
ASXL2	
ASXL3	NM_030632.3
ATAD3A	
ATG7	
ATIC	NM_004044.7
ATN1	
ATP1A1	NM_000701.8
ATP1A2	
ATP1A3	
ATP2A2	
ATP2B1	
ATP5F1A	
ATP5F1E	
ATP5PO	
ATP6AP2	NM_005765.3
ATP6V0A1	
ATP6V0A2	
ATP6V0C	
ATP6V1A	
ATP6V1B2	
ATP7A	NM_000052.7
ATP7B	NM_000053.4
ATP8A2	
ATP9A	
ATR	NM_001184.4
ATRX	NM_000489.6
AUH	NM_001698.3
AUTS2	NM_015570.4
B3GALNT2	
B3GALT6	
B3GAT3	NM_012200.4
B3GLCT	NM_194318.4
B4GALNT1	
B4GALT1	
B4GALT7	NM_007255.3
B9D1	NM_015681.5
BAP1	
BBIP1	NM_001195306.2
BBS1	NM_024649.5
BBS10	NM_024685.4
BBS12	NM_152618.3
BBS2	NM_031885.5

Date	Février 2024
Panel	Troubles neuro-développementaux
Gène	Transcrit

BBS4	NM_033028.5
BBS5	NM_152384.3
BBS7	NM_176824.3
BBS9	NM_198428.3
BCAP31	
BCAS3	NM_001099432.3
BCKDHA	NM_000709.4
BCKDHB	NM_183050.4
BCKDK	NM_005881.4
BCL11A	NM_022893.4
BCL11B	
BCOR	NM_017745.6
BCORL1	
BCS1L	NM_004328.5
BICRA	
BLM	NM_000057.4
BLOC1S1	
BLTP1	
BOD1	
BOLA3	
BPTF	
BRAF	NM_004333.6
BRAT1	
BRCA1	
BRD3	NM_007371.4
BRD4	
BRF1	
BRPF1	NM_001003694.2
BRSK2	
BRWD1	NM_018963.5
BRWD3	NM_153252.5
BSCL2	NM_032667.6
BTD	NM_001370658.1
BTF3	NA
BUB1B	NM_001211.6
BUD13	
C12orf4	
C12orf57	NM_138425.4
C2orf69	
CA2	NM_000067.3
CA5A	
CA8	NM_004056.6
CACNA1A	NM_001127221.2

Date	Février 2024
Panel	Troubles neuro-développementaux
Gène	Transcrit
CACNA1B	NM_000718.4
CACNA1C	NM_000719.7
CACNA1D	NM_000720.4
CACNA1E	NM_000721.4
CACNA1F	NM_005183.4
CACNA1G	NM_018896.5
CACNA1H	
CACNA1I	
CACNA2D1	NM_000722.4
CACNA2D2	
CACNG2	NM_006078.5
CAD	NM_004341.5
CAMK2A	NM_015981.4
CAMK2B	
CAMK4	
CAMSAP1	
CAMTA1	NM_015215.4
CAPN10	
CAPN15	
CAPRIN1	
CAPZA2	
CARS1	
CARS2	
CASK	NM_003688.3
CASR	NM_000388.4
CBL	NM_005188.4
CBS	NM_000071.3
CBX1	
CBY1	
CC2D1A	NM_017721.5
CC2D2A	NM_001080522.2
CCBE1	NM_133459.4
CCDC115	
CCDC174	
CCDC22	NM_014008.5
CCDC32	
CCDC47	NM_020198.3
CCDC82	
CCDC88A	
CCDC88C	
CCND2	NM_001759.4
CDC42	
CDC42BPB	

Date	Février 2024
Panel	Troubles neuro-développementaux
Gène	Transcrit

CDH10	NM_006727.5
CDH11	
CDH15	NM_004933.3
CDH2	NM_001792.5
CDH9	NM_016279.4
CDK10	
CDK13	NM_003718.5
CDK19	NM_001300960.2
CDK5RAP2	NM_018249.6
CDK6	NM_001259.8
CDK8	NM_001260.3
CDK9	NM_001261.4
CDKL5	NM_003159.3
CDON	
CELF2	
CENPE	
CENPF	NM_016343.4
CENPJ	NM_018451.5
CEP104	NM_014704.4
CEP120	NM_153223.4
CEP135	
CEP152	NM_014985.4
CEP19	NM_032898.5
CEP290	NM_025114.4
CEP41	NM_018718.3
CEP55	
CEP57	
CEP63	
CEP83	NM_016122.3
CEP85L	
CERT1	NM_001130105.1
CHAMP1	NM_001164144.3
CHD1	
CHD2	NM_001271.4
CHD3	
CHD4	NM_001273.5
CHD5	NM_015557.3
CHD7	NM_017780.4
CHD8	NM_001170629.2
CHKA	
CHKB	NM_005198.5
CHMP1A	
CHRNA2	NM_000742.4

Date	Février 2024
Panel	Troubles neuro-développementaux
Gène	Transcrit
CHRNA4	NM_000744.7
CHRNA7	NM_000746.6
CHRNA2	NM_000748.3
CIC	
CIT	
CKAP2L	
CLCN2	NM_004366.6
CLCN3	NM_173872.4
CLCN4	NM_001830.4
CLCN6	NM_001286.5
CLCN7	
CLDN11	
CLDN5	
CLIC2	NM_001289.6
CLN3	NM_001042432.2
CLN5	NM_006493.4
CLN6	NM_017882.3
CLN8	NM_018941.4
CLP1	
CLPB	
CLPP	
CLTC	NM_001288653.2
CNKSR1	
CNKSR2	NM_014927.5
CNNM2	NM_017649.5
CNOT1	NM_001265612.2
CNOT3	NM_014516.4
CNOT9	
CNPY3	
CNTN4	NM_175607.3
CNTNAP1	
CNTNAP2	NM_014141.6
COA8	NM_001370595.2
COASY	
COG1	
COG5	
COG6	
COG7	
COG8	
COL18A1	NM_001379500.1
COL27A1	
COL3A1	NM_000090.4
COL4A1	NM_001845.6

Date	Février 2024
Panel	Troubles neuro-développementaux
Gène	Transcrit

COL4A2	NM_001846.4
COLEC11	
COLGALT1	
COPB1	
COPB2	
COQ2	NM_015697.9
COQ4	
COQ8A	NM_020247.5
COX10	NM_001303.4
COX15	NM_004376.7
CPA6	NM_020361.5
CPE	NM_001873.4
CPLANE1	NM_023073.4
CPLX1	
CPS1	NM_001875.5
CPSF3	
CRADD	
CRBN	NM_016302.4
CREBBP	NM_004380.3
CRIP1	
CRLS1	
CRMP1	
CRPPA	
CSDE1	NM_001130523.3
CSF1R	
CSGALNACT1	
CSNK1G1	
CSNK2A1	NM_001895.4
CSNK2B	
CSPP1	NM_024790.6
CSTB	NM_000100.4
CTBP1	
CTCF	NM_006565.4
CTDP1	
CTNNA2	
CTNNB1	NM_001904.4
CTNND1	
CTR9	
CTSF	NM_003793.4
CTU2	NM_001012759.3
CUL3	NM_003590.5
CUL4B	NM_003588.4
CUX1	

Date	Février 2024
Panel	Troubles neuro-développementaux
Gène	Transcrit

CUX2	NM_015267.4
CWC27	
CWF19L1	
CYB5R3	
CYFIP1	NM_014608.6
CYFIP2	
CYP26B1	
CYP27A1	NM_000784.4
CYP2U1	NM_183075.3
D2HGDH	NM_152783.5
DAG1	
DAGLA	
DARS1	
DARS2	
DBT	NM_001918.5
DCAF17	
DCC	
DCHS1	NM_003737.4
DCPS	
DCX	NM_178153.3
DDB1	NM_001923.5
DDC	
DDHD2	NM_015214.3
DDOST	
DDX23	
DDX3X	NM_001193416.3
DDX59	NM_001031725.6
DDX6	NM_004397.6
DEAF1	NM_021008.4
DEGS1	
DENND5A	
DEPDC5	NM_001242896.3
DHCR24	NM_014762.4
DHCR7	NM_001360.3
DHDDS	
DHFR	
DHPS	NM_001930.4
DHX30	
DHX37	
DHX9	
DIAPH1	
DIP2B	NM_173602.3
DIS3L2	NM_152383.5

Date	Février 2024
Panel	Troubles neuro-développementaux
Gène	Transcrit
DISC1	NM_018662.3
DKC1	NM_001363.5
DLAT	
DLD	NM_000108.5
DLG2	NM_001142699.3
DLG3	NM_021120.4
DLG4	
DLL1	NM_005618.4
DMD	NM_004006.3
DMPK	NM_001081563.2
DMXL2	NM_001174116.3
DNAH14	
DNAJC12	
DNAJC19	NM_145261.4
DNM1	NM_004408.4
DNM1L	NM_012062.5
DNM3	NM_015569.5
DNMT3A	NM_175629.2
DNMT3B	NM_006892.4
DOCK3	
DOCK6	NM_020812.4
DOCK7	
DOCK8	
DOHH	NM_001145165.2
DONSON	
DPAGT1	NM_001382.4
DPF2	
DPH1	NM_001383.6
DPH5	
DPM1	NM_003859.3
DPM3	
DPP6	NM_001936.5
DPYD	NM_000110.4
DPYSL5	NM_020134.4
DRG1	
DSCAM	NM_001389.5
DTYMK	
DYM	
DYNC1H1	NM_001376.5
DYNC1I2	NM_001378.3
DYRK1A	NM_001396.5
EARS2	
EBF3	NM_001005463.3

Date	Février 2024
Panel	Troubles neuro-développementaux
Gène	Transcrit

EBP	NM_006579.3
ECHS1	
EDEM3	NM_025191.4
EED	
EEF1A2	NM_001958.5
EEF1B2	
EEF1D	
EEF2	
EFL1	
EFTUD2	NM_004247.4
EHMT1	NM_024757.5
EIF2AK2	
EIF2AK3	NM_004836.7
EIF2B1	NM_001414.4
EIF2B2	
EIF2B3	
EIF2B4	NM_015636.4
EIF2B5	
EIF2S3	NM_001415.4
EIF3F	
EIF4A2	
EIF4A3	
EIF4E	NM_001130679.3
EIF5A	NM_001970.5
ELAC2	NM_018127.7
ELOVL4	
ELP2	NM_001242875.3
EMC1	NM_015047.3
EMC10	
EMG1	
EML1	
EMX2	
EN2	NM_001427.4
ENTPD1	
EP300	NM_001429.4
EPB41L1	NM_012156.2
EPG5	NM_020964.3
EPM2A	NM_005670.4
EPRS1	
ERBB4	
ERCC1	
ERCC2	
ERCC3	

Date	Février 2024
Panel	Troubles neuro-développementaux
Gène	Transcrit

ERCC5
 ERCC6 NM_000124.4
 ERCC6L2
 ERCC8 NM_000082.4
 ERF
 ERLIN2 NM_007175.8
 ESAM NM_138961.3
 ESCO2 NM_001017420.3
 ETHE1
 EXOC7
 EXOC8
 EXOSC2
 EXOSC3
 EXOSC5
 EXOSC8
 EXOSC9
 EXT2
 EXTL3
 EZH2
 FAM126A
 FAM149B1
 FAM50A
 FANCD2 NM_033084.6
 FAR1
 FARS2 NM_006567.5
 FASTKD2 NM_014929.4
 FAT1
 FAT4 NM_024582.6
 FBN3 NM_032447.5
 FBRSL1
 FBXL3
 FBXL4 NM_012160.5
 FBXO11 NM_001190274.2
 FBXO28
 FBXO31
 FBXW11 NM_012300.3
 FBXW7
 FCSK
 FDFT1
 FEM1B
 FGD1 NM_004463.3
 FGF12 NM_021032.5
 FGF13

Date	Février 2024
Panel	Troubles neuro-développementaux
Gène	Transcrit
FGFR1	NM_023110.3
FGFR2	NM_000141.5
FGFR3	NM_000142.5
FH	
FIBP	
FICD	NM_007076.3
FIG4	
FILIP1	
FITM2	
FKRP	NM_024301.5
FKTN	NM_001079802.2
FLNA	NM_001456.4
FMN2	
FMR1	NM_002024.6
FOLR1	NM_016725.3
FOSL2	
FOXG1	NM_005249.5
FOXP1	NM_032682.6
FOXP2	NM_014491.4
FOXP4	NM_001012426.2
FOXRED1	
FRA10AC1	
FRAS1	NM_025074.7
FRMD4A	
FRMD5	
FRMPD4	NM_014728.3
FRRS1L	
FRY	
FTCD	NM_006657.3
FTO	
FTSJ1	NM_012280.4
FUCA1	NM_000147.5
FUT8	
FZR1	
GABBR1	NM_001470.4
GABBR2	NM_005458.8
GABRA1	NM_000806.5
GABRA2	
GABRA5	
GABRB2	NM_021911.3
GABRB3	NM_000814.6
GABRD	NM_000815.5
GABRG2	NM_000816.3

Date	Février 2024
Panel	Troubles neuro-développementaux
Gène	Transcrit

GAD1
 GALC
 GALE NM_000403.4
 GALNT2
 GALT NM_000155.4
 GAMT NM_000156.6
 GAN
 GAP43 NM_001130064.2
 GATA6 NM_005257.6
 GATAD2A
 GATAD2B NM_020699.4
 GATM NM_001482.3
 GBA NM_001005741.3
 GBA2
 GCDH NM_000159.4
 GCH1 NM_000161.3
 GCSH NM_004483.5
 GDF1 NM_001492.6
 GDF11
 GDI1 NM_001493.3
 GEMIN4
 GEMIN5
 GFAP
 GFM1 NM_024996.7
 GFM2
 GFPT2 NM_005110.4
 GHR NM_000163.5
 GIGYF1
 GJC2 NM_020435.4
 GK NM_000167.6
 GLB1 NM_000404.4
 GLDC NM_000170.3
 GLI2 NM_005270.5
 GLI3 NM_000168.6
 GLIS3 NM_152629.4
 GLRA2
 GLS
 GLUL
 GMNN
 GMPPA
 GMPPB
 GNAI1 NM_002069.6
 GNAO1 NM_020988.3

Date	Février 2024
Panel	Troubles neuro-développementaux
Gène	Transcrit

GNAS	NM_000516.7
GNB1	NM_002074.5
GNB2	
GNB5	
GNPAT	NM_014236.4
GNPTAB	
GNPTG	
GNS	
GOLGA2	
GOSR2	NM_004287.5
GOT2	
GPAA1	
GPC3	NM_004484.4
GPC4	
GPHN	
GPRASP1	NM_001099411.2
GPT2	
GRIA1	NM_001114183.2
GRIA2	
GRIA3	NM_000828.5
GRIA4	NM_000829.4
GRID2	NM_001510.4
GRIK2	NM_021956.5
GRIN1	NM_007327.4
GRIN2A	NM_000833.5
GRIN2B	NM_000834.5
GRIN2D	
GRIP1	NM_021150.4
GRM1	
GRM7	
GSS	
GSX2	
GTF2E2	
GTF2H5	
GTPBP2	
GTPBP3	NM_133644.4
GUSB	NM_000181.4
H1-4	
H3-3A	NM_002107.7
H3-3B	NM_005324.5
H4C11	
H4C3	
H4C4	

Date	Février 2024
Panel	Troubles neuro-développementaux
Gène	Transcrit

H4C5
 H4C6
 H4C9
 HACE1
 HAL NM_002108.4
 HARS1
 HAX1
 HCCS NM_005333.5
 HCFC1 NM_005334.3
 HCN1 NM_021072.4
 HCN2 NM_001194.4
 HCRT
 HDAC4 NM_006037.4
 HDAC8 NM_018486.3
 HEATR3
 HECTD4
 HECW2
 HEPACAM NM_152722.5
 HERC1
 HERC2
 HESX1 NM_003865.3
 HEXA NM_000520.6
 HGSNAT NM_152419.3
 HIBCH
 HID1
 HIKESHI
 HIRA
 HIVEP2 NM_006734.4
 HK1 NM_000188.3
 HLCS
 HMGA2 NM_003483.6
 HMGB1
 HNMT
 HNRNPC NM_031314.3
 HNRNPD
 HNRNPH1
 HNRNPH2
 HNRNPK NM_002140.5
 HNRNPR
 HNRNPU NM_031844.3
 HNRNPUL2
 HOXA1 NM_005522.5
 HPCA

Date	Février 2024
Panel	Troubles neuro-développementaux
Gène	Transcrit

HPD

HPDL NM_032756.3

HPRT1 NM_000194.3

HRAS NM_005343.4

HS2ST1 NM_012262.4

HSD17B10 NM_004493.3

HSD17B4 NM_000414.4

HSPA9 NM_004134.7

HSPD1

HTR2C NM_000868.3

HTRA2

HTT

HUWE1 NM_031407.7

IARS1 NM_002161.6

IDH2

IDS NM_000202.8

IDUA NM_000203.5

IER3IP1 NM_016097.5

IFIH1

IFT172 NM_015662.3

IFT27 NM_006860.5

IFT74

IGBP1 NM_001551.3

IGF1 NM_000618.5

IGF1R NM_000875.5

IKBKG NM_001099857.5

IL1RAPL1 NM_014271.4

IMPA1

IMPDH2

INPP4A

INPP5E NM_019892.6

INPP5K

INTS1

INTS11 NM_001256456.2

IPO8 NM_006390.4

IPP

IQSEC1 NM_014869.8

IQSEC2 NM_001111125.3

IRF2BPL

IRX5

ISCA2

ITCH

ITGAV

Date	Février 2024
Panel	Troubles neuro-développementaux
Gène	Transcrit

ITPA
ITPR1 NM_002222.7
ITSN1
IVD NM_002225.5
JAM2
JAM3 NM_032801.5
JARID2
KANSL1 NM_001193466.2
KANSL2 NM_017822.4
KARS1
KAT5 NM_006388.4
KAT6A NM_006766.5
KAT6B NM_012330.4
KAT8 NM_182958.4
KATNAL2 NM_031303.3
KATNB1
KATNIP NM_015202.5
KCNA1 NM_000217.3
KCNA2
KCNA6
KCNB1 NM_004975.4
KCNC1 NM_001112741.2
KCNC2
KCND2 NM_012281.3
KCNH1 NM_172362.3
KCNH5
KCNJ10 NM_002241.5
KCNJ11 NM_000525.4
KCNJ6 NM_002240.5
KCNK3 NM_002246.3
KCNK4
KCNK9 NM_001282534.2
KCNMA1 NM_002247.4
KCNN2
KCNN3 NM_002249.6
KCNQ2 NM_172107.4
KCNQ3 NM_004519.4
KCNQ5
KCNT1 NM_020822.3
KCNT2
KCTD13 NM_178863.5
KCTD7 NM_153033.5
KDM1A NM_001009999.3

Date	Février 2024
Panel	Troubles neuro-développementaux
Gène	Transcrit

KDM2B	
KDM3B	NM_016604.4
KDM4B	NM_015015.3
KDM5A	NM_001042603.3
KDM5B	NM_006618.5
KDM5C	NM_004187.5
KDM6A	NM_021140.4
KDM6B	NM_001080424.2
KIAA0586	NM_001244189.2
KIAA0753	NM_014804.3
KIDINS220	NM_020738.4
KIF11	NM_004523.4
KIF14	NM_014875.3
KIF1A	NM_004321.8
KIF21B	
KIF2A	
KIF4A	
KIF5A	
KIF5B	
KIF5C	
KIF7	NM_198525.3
KIFBP	
KIRREL3	NM_032531.4
KLF8	NM_007250.5
KLHL15	NM_030624.3
KLHL20	
KLHL7	
KMT2A	NM_001197104.2
KMT2B	
KMT2C	NM_170606.3
KMT2D	NM_003482.4
KMT2E	NM_182931.3
KMT5B	NM_017635.5
KPNA7	
KPTN	
KRAS	NM_004985.5
L1CAM	NM_000425.5
L2HGDH	
LAGE3	
LAMA1	
LAMA2	NM_000426.4
LAMB1	
LAMC3	NM_006059.4

Date	Février 2024
Panel	Troubles neuro-développementaux
Gène	Transcrit
LAMP2	NM_002294.3
LARGE1	NM_004737.7
LARP7	
LARS2	
LAS1L	NM_031206.7
LEO1	
LETM1	
LG1	NM_005097.4
LHX2	
LIAS	
LIG4	
LIMK1	NM_002314.4
LINGO1	
LINS1	
LIPT2	
LMBRD1	NM_018368.4
LMBRD2	
LMNB1	NM_005573.4
LMNB2	NM_032737.4
LNPK	
LONP1	NM_004793.4
LRP2	NM_004525.3
LRPPRC	
LRRC43	NM_001098519.2
LSM1	
LSS	
LTBP1	
LYRM7	
LZTFL1	NM_020347.4
LZTR1	NM_006767.4
MAB21L1	
MAB21L2	
MACF1	
MADD	
MAF	
MAG	
MAGEL2	NM_019066.5
MAGI2	NM_012301.4
MAN1B1	NM_016219.5
MAN2B1	NM_000528.4
MAN2C1	NM_006715.4
MANBA	NM_005908.4
MANF	NM_006010.6

Date	Février 2024
Panel	Troubles neuro-développementaux
Gène	Transcrit

MAOA	NM_000240.4
MAP1B	
MAP2K1	NM_002755.4
MAP2K2	NM_030662.4
MAP3K7	
MAP4K4	NM_145686.4
MAPK1	NM_002745.5
MAPK8IP3	NM_001040439.2
MAPKAPK5	NA
MASP1	
MAST1	NM_014975.3
MAST3	
MAST4	
MAT1A	
MBD5	NM_018328.5
MBOAT7	NM_024298.5
MBTPS2	NM_015884.4
MCCC2	
MCM3AP	
MCOLN1	
MCPH1	NM_024596.5
MDH2	
MECP2	NM_004992.4
MED11	
MED12	NM_005120.3
MED12L	
MED13	
MED13L	NM_015335.5
MED17	NM_004268.5
MED23	NM_015979.4
MED25	
MED27	
MEF2C	NM_002397.5
MEGF8	NM_001410.3
MEIS2	NM_170674.5
MESD	
MET	NM_001127500.3
METTTL23	
METTTL5	NM_014168.4
MFF	
MFSD2A	
MFSD8	NM_152778.3
MGAT2	

Date	Février 2024
Panel	Troubles neuro-développementaux
Gène	Transcrit

MGME1	
MIA3	NM_198551.4
MIB1	NM_020774.4
MICOS13	
MICU1	
MID1	NM_000381.4
MINPP1	
MKKS	NM_018848.3
MKS1	NM_017777.4
MLC1	
MLYCD	
MMAA	
MMACHC	NM_015506.3
MMADHC	
MMUT	NM_000255.4
MN1	NM_002430.3
MOCS1	
MOCS2	
MOGS	
MORC2	
MPC1	
MPC2	
MPDU1	
MPDZ	
MPLKIP	
MPV17	NM_002437.5
MRAS	NM_012219.4
MRE11	
MRM2	
MRPS22	NM_020191.4
MRPS34	
MRTFB	
MSL3	NM_001282174.1
MSMO1	
MSTO1	
MTFMT	
MTHFR	NM_005957.5
MTO1	NM_012123.4
MTOR	
MTR	NM_000254.3
MTRFR	
MTRR	
MTSS2	NM_138383.3

Date	Février 2024
Panel	Troubles neuro-développementaux
Gène	Transcrit

MVK	NM_000431.4
MYCBP2	
MYCN	NM_005378.6
MYH10	
MYO5A	
MYT1L	NM_015025.4
NAA10	NM_003491.4
NAA15	NM_057175.5
NAA20	
NACC1	
NAE1	
NAGA	
NAGLU	NM_000263.4
NALCN	
NANS	
NAPB	
NARS1	NM_004539.4
NARS2	NM_024678.6
NAXD	
NAXE	
NBEA	
NBN	NM_002485.5
NCAPG2	
NCDN	NM_001014839.2
NCKAP1	
NCOR1	
NDE1	NM_001143979.2
NDP	
NDST1	NM_001543.5
NDUFA1	NM_004541.4
NDUFA11	
NDUFA2	
NDUFA6	
NDUFAF2	
NDUFAF3	
NDUFAF4	
NDUFAF5	
NDUFAF6	
NDUFAF8	NM_001086521.2
NDUFB3	NM_002491.3
NDUFB8	
NDUFC2	
NDUFS1	

Date	Février 2024
Panel	Troubles neuro-développementaux
Gène	Transcrit

NDUFS2
 NDUFS3
 NDUFS4
 NDUFS7
 NDUFS8
 NDUFV1
 NDUFV2 NM_021074.5
 NEB NM_001271208.2
 NECAP1 NM_015509.4
 NECTIN1 NM_002855.5
 NEDD4L NM_015277.6
 NEMF
 NEU1 NM_000434.4
 NEURL4
 NEUROD2
 NEUROG1
 NEXMIF NM_001008537.3
 NF1 NM_000267.3
 NFASC
 NFIA
 NFIB NM_001190737.2
 NFIX NM_001271043.2
 NFU1
 NGFR NM_002507.4
 NGLY1
 NHLRC1 NM_198586.3
 NHLRC2
 NHS NM_198270.4
 NIPBL NM_133433.4
 NKAP NM_024528.4
 NKX2-1
 NKX6-2
 NLGN3 NM_018977.4
 NLGN4X NM_020742.4
 NLRP3 NM_004895.5
 NMNAT1
 NONO NM_001145408.2
 NOVA2
 NPC1 NM_000271.5
 NPC2 NM_006432.5
 NPHP1 NM_000272.5
 NPRL2
 NR2F1

Date	Février 2024
Panel	Troubles neuro-développementaux
Gène	Transcrit

NR4A2	
NRAS	NM_002524.5
NRCAM	
NRROS	
NRXN1	NM_001135659.3
NRXN2	NM_138732.3
NSD1	NM_022455.5
NSD2	
NSDHL	NM_015922.3
NSRP1	
NSUN2	NM_017755.6
NT5C2	
NTNG1	NM_014917.4
NTNG2	NM_032536.4
NTRK1	
NTRK2	NM_006180.6
NUBPL	
NUDT2	
NUP107	NM_020401.4
NUP188	NM_015354.3
NUP214	
NUS1	
OCLN	NM_002538.4
OCRL	NM_000276.4
ODC1	
OFD1	NM_003611.3
OGDH	
OGDHL	NM_018245.3
OGT	
OPHN1	NM_002547.3
ORC1	
OSGEP	
OTC	NM_000531.6
OTUD5	
OTUD6B	
OTX2	NM_172337.3
OXR1	NM_001198534.1
OXTR	NM_000916.4
P4HTM	NM_177938.2
PABPC1	
PACS1	NM_018026.4
PACS2	NM_001100913.3
PAFAH1B1	NM_000430.4

Date	Février 2024
Panel	Troubles neuro-développementaux
Gène	Transcrit

PAH	NM_000277.3
PAK1	
PAK3	NM_002578.5
PAN2	
PANK2	
PARN	
PARP6	
PARS2	
PAX5	NM_016734.3
PAX6	NM_000280.5
PBX1	NM_002585.4
PC	NM_000920.4
PCCA	NM_000282.4
PCCB	NM_000532.5
PCDH12	
PCDH19	NM_001184880.2
PCDHGC4	
PCGF2	
PCLO	
PCNT	
PCYT2	
PDE2A	
PDE4D	
PDE6D	NM_002601.4
PDGFRB	
PDHA1	NM_000284.4
PDHX	NM_003477.3
PDSS2	NM_020381.4
PDZD8	
PEPD	
PET100	NM_001171155.2
PEX1	NM_000466.3
PEX10	NM_153818.2
PEX11B	NM_003846.3
PEX12	NM_000286.3
PEX13	NM_002618.4
PEX16	NM_004813.4
PEX2	NM_000318.3
PEX26	NM_017929.6
PEX5	NM_001131025.2
PEX6	NM_000287.4
PEX7	NM_000288.4
PGAP1	

Date	Février 2024
Panel	Troubles neuro-développementaux
Gène	Transcrit

PGAP2	NM_001256240.2
PGAP3	NM_033419.5
PGK1	NM_000291.4
PGM2L1	NM_173582.6
PGM3	NM_001199917.2
PHF21A	NM_001101802.3
PHF6	NM_032458.3
PHF8	NM_015107.3
PHGDH	NM_006623.4
PHIP	NM_017934.7
PI4KA	
PIBF1	
PIDD1	
PIEZO2	NM_022068.4
PIGA	NM_002641.4
PIGB	
PIGC	
PIGG	
PIGH	
PIGK	NM_005482.3
PIGL	NM_004278.4
PIGN	NM_176787.5
PIGO	NM_032634.4
PIGP	
PIGQ	
PIGS	
PIGT	NM_015937.6
PIGU	
PIGV	NM_017837.4
PIGW	
PIGY	
PIK3CA	NM_006218.4
PIK3R1	NM_181523.3
PIK3R2	NM_005027.4
PIP5K1C	NM_012398.3
PISD	
PITRM1	
PLA2G6	
PLAA	
PLCB1	NM_015192.4
PLCH1	
PLEKHG2	
PLK4	

Date	Février 2024
Panel	Troubles neuro-développementaux
Gène	Transcrit

PLP1	NM_000533.5
PLPBP	
PLXNA1	NM_032242.3
PLXNA3	NM_017514.5
PMM2	NM_000303.3
PMPCA	
PMPCB	NM_004279.3
PNKP	NM_007254.4
PNPLA6	NM_006702.5
PNPO	NM_018129.4
PNPT1	
POGZ	NM_015100.4
POLA1	
POLG	NM_002693.3
POLR1A	NM_015425.6
POLR1C	
POLR2A	NM_000937.5
POLR3A	
POLR3B	
POLRMT	
POMGNT1	NM_017739.4
POMGNT2	
POMK	
POMT1	NM_007171.4
POMT2	NM_013382.7
POR	NM_000941.3
PORCN	NM_203475.3
POU1F1	NM_000306.4
POU3F2	NM_005604.4
POU3F3	NM_006236.3
POU4F1	
PPFIA3	
PPFIBP1	NM_001198915.2
PPM1D	
PPP1CB	NM_206876.2
PPP1R12A	
PPP1R15B	NM_032833.5
PPP1R21	
PPP2CA	NM_002715.4
PPP2R1A	
PPP2R5D	NM_006245.4
PPP3CA	
PPT1	NM_000310.4

Date	Février 2024
Panel	Troubles neuro-développementaux
Gène	Transcrit

PQBP1	NM_005710.2
PRDM13	
PRDM15	
PREPL	
PRICKLE1	NM_153026.3
PRICKLE2	
PRKACB	
PRKAR1B	
PRKCG	
PRKRA	NM_003690.5
PRMT7	NM_019023.5
PRODH	NM_016335.6
PROK2	NM_001126128.2
PROKR2	NM_144773.4
PRORP	
PROSER1	
PRPF8	
PRPS1	NM_002764.4
PRR12	
PRRT2	NM_145239.3
PRSS12	NM_003619.4
PRUNE1	
PSAP	NM_002778.4
PSMC3	NM_002804.5
PSMD12	
PSPH	
PTCH1	
PTCHD1	NM_173495.3
PTDSS1	
PTEN	NM_000314.8
PTPA	
PTPN11	NM_002834.5
PTPN23	
PTRH2	
PTRHD1	
PTS	NM_000317.3
PUF60	NM_078480.3
PUM1	
PURA	NM_005859.5
PUS1	NM_025215.6
PUS3	
PUS7	
PYCR1	

Date	Février 2024
Panel	Troubles neuro-développementaux
Gène	Transcrit

PYCR2
 QARS1 NM_005051.3
 QRICH1 NM_017730.4
 RAB11A
 RAB11B
 RAB18 NM_021252.5
 RAB23 NM_183227.3
 RAB27A
 RAB39B NM_171998.4
 RAB3GAP1 NM_012233.3
 RAB3GAP2 NM_012414.4
 RABGAP1
 RABL6
 RAC1
 RAC3
 RAD21 NM_006265.3
 RAF1 NM_002880.4
 RAI1 NM_030665.4
 RALA
 RALGAPA1 NM_014990.3
 RAP1B NM_015646.6
 RAP1GDS1
 RARB
 RARS1
 RARS2
 RASA1 NM_002890.3
 RBBP8 NM_002894.3
 RBL2
 RBM10 NM_005676.5
 RBM28
 RBPJ
 RCBTB1
 RELN NM_005045.4
 RERE NM_012102.4
 RFT1
 RFX3
 RFX4
 RFX7
 RGS6
 RHOBTB2
 RIC1
 RIMS1
 RIMS2 NM_014677.5

Date	Février 2024
Panel	Troubles neuro-développementaux
Gène	Transcrit

RIT1	NM_006912.6
RLIM	NM_183353.3
RMND1	NM_017909.4
RNASEH2A	
RNASEH2B	
RNASEH2C	
RNASET2	
RNF113A	
RNF125	
RNF13	
RNF135	NM_032322.4
RNF220	
RNFT2	
RNH1	
RNPC3	NM_017619.4
ROBO1	
ROGDI	
RORA	NM_134261.3
RPGRIP1L	NM_015272.5
RPL10	NM_006013.5
RPS6KA3	NM_004586.3
RRAGC	
RRAS	NM_006270.5
RRAS2	NM_012250.6
RRM2B	NM_015713.5
RSPRY1	
RSRC1	
RTEL1	NM_032957.5
RTN4IP1	
RTTN	NM_173630.4
RUSC2	
SALL1	NM_002968.3
SAMD9	
SAMHD1	
SARS1	
SASS6	
SATB1	NM_001195470.3
SATB2	NM_015265.4
SBDS	NM_016038.4
SC5D	NM_006918.5
SCAF4	NM_020706.2
SCAMP5	
SCAPER	

Date	Février 2024
Panel	Troubles neuro-développementaux
Gène	Transcrit
SCARB2	NM_005506.4
SCN10A	NM_006514.4
SCN1A	NM_001165963.4
SCN1B	NM_001037.5
SCN2A	NM_021007.3
SCN3A	
SCN8A	NM_014191.4
SCO2	NM_005138.3
SCUBE3	NM_001303136.2
SCYL1	NM_020680.4
SCYL2	
SDCCAG8	NM_006642.5
SDHA	NM_004168.4
SDHAF1	
SDHB	NM_003000.3
SDHD	NM_003002.4
SEMA5A	NM_003966.3
SEMA6B	
SEPSECS	
SERAC1	NM_032861.4
SET	NM_001122821.2
SETBP1	NM_015559.3
SETD1A	NM_014712.3
SETD1B	
SETD2	NM_014159.7
SETD5	NM_001080517.3
SFXN4	
SGPL1	
SGSH	NM_000199.5
SHANK1	NM_016148.5
SHANK2	NM_012309.5
SHANK3	NM_001372044.2
SHH	NM_000193.4
SHMT2	
SHOC2	NM_007373.4
SHQ1	
SIAH1	
SIK1	
SIL1	
SIN3A	
SIN3B	NM_015260.4
SIX3	
SKI	NM_003036.4

Date	Février 2024
Panel	Troubles neuro-développementaux
Gène	Transcrit

SLC12A2
 SLC12A5
 SLC12A6
 SLC13A5 NM_177550.5
 SLC16A2 NM_006517.5
 SLC17A5 NM_012434.5
 SLC18A2
 SLC1A1 NM_004170.6
 SLC1A2
 SLC1A4
 SLC25A1 NM_005984.5
 SLC25A12
 SLC25A13 NM_014251.3
 SLC25A15 NM_014252.4
 SLC25A19
 SLC25A22 NM_024698.6
 SLC25A42
 SLC2A1 NM_006516.4
 SLC30A7
 SLC30A9
 SLC32A1
 SLC33A1
 SLC35A2 NM_001042498.3
 SLC35A3 NM_012243.3
 SLC35B2
 SLC35C1 NM_018389.5
 SLC38A3
 SLC39A8
 SLC44A1
 SLC45A1 NM_001080397.3
 SLC46A1 NM_080669.6
 SLC4A4 NM_003759.4
 SLC5A7
 SLC6A1 NM_003042.4
 SLC6A17
 SLC6A19 NM_001003841.3
 SLC6A3
 SLC6A4 NM_001045.6
 SLC6A8 NM_005629.4
 SLC6A9
 SLC9A6 NM_006359.3
 SLC9A7
 SLF2

Date	Février 2024
Panel	Troubles neuro-développementaux
Gène	Transcrit

SLITRK2	
SMAD4	NM_005359.6
SMAD6	NM_005585.5
SMARCA2	NM_003070.5
SMARCA4	NM_001128849.3
SMARCA5	NM_003601.4
SMARCB1	NM_003073.5
SMARCC2	NM_003075.5
SMARCD1	
SMARCE1	NM_003079.5
SMC1A	NM_006306.4
SMC3	NM_005445.4
SMC5	
SMG8	NM_018149.7
SMG9	
SMO	NM_005631.5
SMOC1	NM_001034852.3
SMPD1	NM_000543.5
SMPD4	NM_017951.4
SMS	NM_004595.5
SNAP25	NM_003081.5
SNAP29	
SNAPC4	
SNIP1	
SNRPB	
SNX14	
SNX27	
SOBP	NM_018013.4
SON	NM_032195.3
SOS1	NM_005633.4
SOS2	NM_006939.4
SOX10	NM_006941.4
SOX11	NM_003108.4
SOX2	NM_003106.4
SOX3	NM_005634.3
SOX4	
SOX5	NM_006940.6
SOX6	NM_033326.3
SPART	
SPATA5	
SPATA5L1	
SPECC1L	NM_015330.6
SPEN	NM_015001.3

Date	Février 2024
Panel	Troubles neuro-développementaux
Gène	Transcrit

SPG11
SPOP
SPR
SPRED1 NM_152594.3
SPRED2 NM_181784.3
SPTAN1 NM_001130438.3
SPTBN1
SPTBN2
SPTBN4
SQSTM1
SRCAP NM_006662.3
SRD5A3 NM_024592.5
SRGAP3 NM_014850.4
SRP54
SRRM2
SRSF1 NM_006924.5
ST3GAL3 NM_006279.5
ST3GAL5 NM_003896.4
STAG1 NM_005862.3
STAG2 NM_001042749.2
STAMBP NM_006463.6
STEEP1
STIL NM_003035.2
STIM1
STRA6 NM_022369.4
STRADA NM_001003787.4
STT3A NM_001278503.2
STUB1 NM_005861.4
STX16 NM_001001433.3
STX1A NM_004603.4
STX1B NM_052874.5
STXBP1 NM_003165.6
SUCLA2 NM_003850.3
SUFU
SUOX
SUPT16H
SUPV3L1
SURF1
SUZ12
SVBP
SYN1 NM_133499.2
SYNCRIP
SYNE1 NM_033071.4

Date	Février 2024
Panel	Troubles neuro-développementaux
Gène	Transcrit
SYNGAP1	NM_006772.3
SYNJ1	NM_003895.3
SYP	NM_003179.3
SYT1	
SZT2	NM_015284.4
TAB2	NM_015093.6
TACO1	NM_016360.4
TAF1	NM_004606.5
TAF13	
TAF2	
TAF4	
TAF6	
TAF8	
TANC2	
TANGO2	
TAOK1	NM_020791.4
TAOK2	NM_016151.4
TARS2	
TASP1	
TAT	
TBC1D20	NM_144628.4
TBC1D23	
TBC1D24	NM_001199107.2
TBC1D2B	
TBC1D7	
TBCD	
TBCE	NM_003193.5
TBCK	
TBL1XR1	NM_024665.7
TBR1	NM_006593.4
TBX1	NM_080647.1
TBX2	
TBX3	NM_005996.4
TCEAL1	
TCF12	
TCF20	NM_005650.4
TCF4	NM_001083962.2
TCF7L2	
TCTN2	NM_024809.5
TDP2	
TECPR2	
TECR	NM_138501.6
TELO2	

Date	Février 2024
Panel	Troubles neuro-développementaux
Gène	Transcrit

TET2	NM_001127208.3
TET3	
TFE3	
TGIF1	
TH	
THG1L	
THOC2	
THOC6	NM_024339.5
THRA	NM_199334.5
THRB	
THUMPD1	
TIAM1	
TIMM50	
TIMM8A	NM_004085.4
TIMMDC1	
TKFC	
TKT	NM_001135055.3
TLK2	NM_006852.6
TM4SF20	
TMCO1	NM_019026.6
TMEM106B	
TMEM107	NM_032354.5
TMEM147	NM_032635.4
TMEM163	
TMEM165	
TMEM216	NM_001173990.3
TMEM218	
TMEM222	
TMEM231	NM_001077416.2
TMEM237	NM_001044385.3
TMEM240	
TMEM63A	
TMEM63B	
TMEM63C	
TMEM67	NM_153704.6
TMEM70	NM_017866.6
TMEM94	NM_014738.6
TMLHE	NM_018196.4
TMTC3	
TMX2	NM_015959.4
TNIK	
TNK2	NM_001010938.2
TNPO2	NM_001136196.2

Date	Février 2024
Panel	Troubles neuro-développementaux
Gène	Transcrit

TNR
 TNRC6B
 TOE1
 TOGARAM1
 TOP3A
 TOR1A
 TOR1AIP1 NM_001267578.2
 TP53RK
 TP73
 TPI1
 TPK1
 TPP1 NM_000391.4
 TPP2
 TPRKB
 TRA2B
 TRAF7 NM_032271.3
 TRAIIP NM_005879.3
 TRAK1
 TRAPPC10
 TRAPPC11
 TRAPPC12
 TRAPPC2L
 TRAPPC4
 TRAPPC6B
 TRAPPC9 NM_031466.8
 TREX1 NM_033629.6
 TRIM32 NM_012210.4
 TRIM8 NM_030912.3
 TRIO NM_007118.4
 TRIP12 NM_004238.3
 TRIT1
 TRMT1
 TRMT10A NM_152292.5
 TRMT5 NM_020810.3
 TRNT1 NM_182916.3
 TRPC5 NM_012471.3
 TRPM3
 TRRAP NM_003496.4
 TSC1 NM_000368.5
 TSC2 NM_000548.5
 TSEN15
 TSEN2
 TSEN54

Date	Février 2024
Panel	Troubles neuro-développementaux
Gène	Transcrit
TSFM	NM_001172696.2
TSPAN7	NM_004615.4
TSPOAP1	
TTC37	NM_014639.4
TTC5	
TTC8	NM_198309.3
TTI1	
TTI2	
TUBA1A	NM_006009.4
TUBB	
TUBB2A	
TUBB2B	NM_178012.5
TUBB3	
TUBB4A	
TUBG1	
TUBGCP2	NM_001256617.2
TUBGCP4	
TUBGCP6	
TUSC3	NM_006765.4
TWIST1	NM_000474.4
TWIST2	NM_057179.3
TWNK	NM_021830.5
UBA2	
UBA5	
UBAP2L	
UBE2A	NM_003336.4
UBE3A	NM_130838.4
UBE3B	NM_130466.4
UBE3C	
UBE4A	NM_004788.4
UBR1	NM_174916.3
UBR7	
UBTF	
UFC1	
UFM1	
UFSP2	
UGDH	
UGP2	
UNC45A	
UNC79	
UNC80	
UPB1	NM_016327.3
UPF3B	NM_080632.3

Date	Février 2024
Panel	Troubles neuro-développementaux
Gène	Transcrit

UQCC2	NM_032340.4
UQCRFS1	NM_006003.3
UROC1	NM_144639.3
USP27X	NM_001145073.3
USP7	
USP9X	NM_001039590.3
VAC14	
VAMP2	
VARS1	
VARS2	
VCP	NM_007126.5
VLDLR	NM_003383.5
VPS11	
VPS13B	NM_017890.5
VPS13D	
VPS16	
VPS35L	
VPS37A	
VPS41	
VPS4A	NM_013245.3
VPS53	
VRK1	
WAC	NM_016628.5
WARS1	
WARS2	
WASF1	NM_003931.3
WASHC4	
WASHC5	
WDFY3	
WDPCP	NM_015910.7
WDR11	NM_018117.12
WDR26	
WDR37	NM_014023.4
WDR4	
WDR45	NM_007075.4
WDR45B	NM_019613.4
WDR5	
WDR62	NM_001083961.2
WDR73	NM_032856.5
WDR81	
WIPI2	
WNK3	NM_020922.5
WNT1	

Date	Février 2024
Panel	Troubles neuro-développementaux
Gène	Transcrit

WVOX	NM_016373.4
XPA	
XRCC4	NM_022406.5
XYLT1	
YAP1	NM_001130145.3
YARS1	
YIF1B	
YIPF5	NM_001024947.4
YWHAE	NM_006761.5
YWHAG	
YY1	
ZBTB11	
ZBTB18	NM_205768.3
ZBTB20	NM_001164342.2
ZBTB24	
ZBTB7A	
ZC3H14	NM_024824.5
ZC4H2	NM_018684.4
ZDHHC15	NM_144969.3
ZDHHC9	NM_016032.4
ZEB2	NM_014795.4
ZFHX4	NM_024721.5
ZFYVE26	
ZIC1	
ZIC2	
ZMIZ1	NM_020338.4
ZMYM2	NM_003453.6
ZMYM3	NM_201599.3
ZMYND11	NM_006624.7
ZMYND8	
ZNF142	
ZNF148	
ZNF292	NM_015021.3
ZNF335	
ZNF407	
ZNF462	
ZNF526	NM_133444.3
ZNF699	
ZNF711	NM_021998.5
ZNF81	NM_007137.5
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ZSWIM6	