

**Supplementary Table 2. Genes within the 15q24 microdeletion critical interval**

Gene ID	Gene name	Start (hg 18 coordinates)	End	Associated human disease	Brain expression			
					CB	CTX	HPF	AMY
<i>GOLGA6</i>	Golgi autoantigen, golgin subfamily a, 6	72 149 251	72 161 944		ND	ND	ND	ND
<i>ISLR2</i>	Immunoglobulin superfamily containing leucine-rich repeat 2	72 208 768	72 216 196		4.1	3.6	18.1	1.4
<i>ISLR</i>	Immunoglobulin superfamily containing leucine-rich repeat	72 253 140	72 256 265		11.4	3.0	9.4	2.9
<i>STRA6</i>	Stimulated by retinoic acid gene 6 homolog	72 273 784	72 288 424	Homozygous mutations result in a multiple malformation syndrome with anophthalmia	7.1	1.2	5.4	3.4
<i>CCDC33</i>	Coiled-coil domain containing 33	72 315 720	72 415 535		ND	ND	ND	ND
<i>CYP11A1</i>	Cytochrome P450, subfamily XIA, polypeptide 1	72 417 156	72 447 134	Homozygous mutations result in congenital adrenal insufficiency with 46,XY sex reversal	2.7	5.6	3.2	1.8
<i>SEMA7A</i>	Semaphorin 7A	72 488 684	72 513 352		72.0	16.9	8.8	0.5
<i>UBL7</i>	Ubiquitin-like 7	72 525 371	72 540 563		100	100	100	100
<i>ARID3B</i>	AT rich interactive domain 3B	72 620 601	72 677 525		13.3	73.1	42.3	45.8
<i>CLK3</i>	CDC-like kinase 3	72 687 766	72 709 595		25.1	53.2	53.7	17.4
<i>EDC3</i>	Enhancer of mRNA decapping 3	72 709 953	72 775 439		100	32.8	17.1	0
<i>CYP11A1</i>	Cytochrome P450, family 1, subfamily A, polypeptide 1	72 798 936	72 804 930		0.9	0.9	1.3	0.4
<i>CYP11A2</i>	Cytochrome P450, family 1, subfamily A, polypeptide 2	72 828 237	72 835 994		6.7	9.1	6.2	6.0
<i>CSK</i>	c-src tyrosine kinase	72 861 478	72 882 592		15.4	13.8	19.5	15.5
<i>LMAN1L</i>	Lectin, mannose-binding, 1 like	72 892 247	72 905 152		9.8	9.9	8.6	0.8

Mouse brain expression values were derived from the Allen Brain Atlas (<http://www.brain-map.org/>) and reflect average expression levels over a particular region normalized to 'maximum possible expression' (which is in turn derived from a set of ubiquitously expressed genes). Qualitatively similar results were observed using expression density (defined as the number of expressing cells in a given region normalized to the maximum possible number of expressing cells in the same region, again derived from a set of ubiquitous genes in that region). Abbreviations: CB, cerebellum; CTX, neocortex; HPF, hippocampal formation; AMY, amygdala; ND, not detected.