

Table S2

DDR-regulated genes in human CNS microvascular endothelial cultures

	<i>Gene Symbol</i>	<i>Name</i>	<i>PMID</i>	<i>Angiogenesis</i>	<i>Migr.</i>	<i>Prolif.</i>	<i>Viability</i>	<i>Veaf</i>	<i>Perm.</i>
Most strongly upregulated	MGARP	Mitochondrial glutamic acid-rich protein	PMID: 23209644						
	SNORA12	Small nucleolar RNA, H/ACA box 12	PMID: 24947756						
	ADIRF	APM2/C10orf116	PMID: 23467766			X	X		
	HMOX1	Heme oxygenase 1	PMID: 15345146	X				X	
	TP53INP1	p53-dependent inducible nuclear protein 1	PMID: 11511362				X		
	TRMT5	tRNA methyltransferase 5	PMID: 15248782						
	AMTN	Amelotin	PMID: 21154245						
	TXNIP	Thioredoxin-interacting protein	PMID: 23393387	X				X	
	SPOCD1	SPOC domain containing 1	None						
	NENF	Neudesin	PMID: 16547973			X			
	GCNT1	Glucosaminyl (N-acetyl) transferase 1	PMID: 24509081		X				
	DPYSL3	Dihydropyrimidinase-like 3 / CRMP4	PMID: 23929741					X	
	CD44	CD44	PMID: 23504212		X				X
	CXCL1	GRO-alpha / CXCL1	PMID: 16618733	X					
	SLC40A1	Ferroportin 1	PMID: 14684575						
	GLIPR2	GLI pathogenesis related-2	PMID: 23516513						
	TJP1	ZO-1	PMID: 15905957						X
	LIMCH1	LIM and calponin homology domains 1	None						
	DAAM1	Dishevelled activator morphogenesis 1	PMID: 20351293	X					
	LIMA1	LIM domain and actin binding 1 / EPLIN	PMID: 18093941		X				
CASC15	Cancer susceptibility candidate 15	PMID: 18463370							
TKT	Transketolase	PMID: 19290028							
ITPR2	IP3 receptor 2	PMID: 24797322							
Most strongly downregulated	MPHOSPH6	M-phase phosphoprotein 6	None						
	RGCC	Regulator of cell cycle	PMID: 11687586			X			
	APP	Amyloid precursor protein	PMID: 24961795						
	HTR2B	Serotonin receptor 2B	PMID: 19308295	X					
	ASPHD2	Aspartate beta-hydroxylase containing 2	None						
	HSD17B2	Hydroxysteroid (17β) dehydrogenase 2	PMID: 22045753						
	GPER1	G protein coupled estrogen receptor	PMID: 21273787			X			
	FEN1	Flap structure-specific endonuclease 1	PMID: 20929870			X	X		
	FDFT1	Farnesyl-diphosph. farnesyltransferase 1	PMID: 8020937						
	ITPRIP	DANGER	PMID: 20053891				X		
	FABP4	Fatty acid BP 4	PMID: 24939870	X				X	
	ATP1B1	ATPase, Na ⁺ /K ⁺ transporting, beta 1	PMID: 15516538						
	C2CD4B	C2 calcium-dependent domain 4B / NLF2	PMID: 15527968						
	ITGAE	Alpha E integrin / CD103	PMID: 11207310		X				
	ITGA10	Alpha 10 integrin	PMID: 16684505		X				
ANGPT2	Angiotensinogen-converting enzyme 2	PMID: 16056241						X	
GDF3	Growth differentiation factor-3	PMID: 17610369			X				
CD34	CD34	PMID: 18987355		X					
Gene number				6	6	6	4	4	3
% Total				14.6%	14.6%	14.6%	9.8%	9.8%	7.3%