

Supplemental Table 2: Genes tested for expression by QuantiGene Plex assay

Gene symbol	Name
<i>Csmd1</i>	CUB and Sushi multiple domains 1
<i>Axin2</i>	axin 2
<i>Kif26b</i>	kinesin family member 26B
<i>Vegfa</i>	vascular endothelial growth factor A
<i>Rasl11b</i>	RAS-like, family 11, member B
* <i>Gapdh</i>	glyceraldehyde-3-phosphate dehydrogenase
<i>Pnpo</i>	pyridoxine 5'-phosphate oxidase
<i>Copz2</i>	coatamer protein complex, subunit zeta 2
<i>Snx11</i>	sorting nexin 11
<i>Col2a1</i>	collagen, type II, alpha 1
<i>Col1a1</i>	collagen, type I, alpha 1
<i>Gdf5</i>	growth differentiation factor 5
* <i>Hprt</i>	hypoxanthine guanine phosphoribosyl transferase
<i>Rrp15</i>	ribosomal RNA processing 15 homolog (<i>S. cerevisiae</i>)
<i>Lrrc46</i>	leucine rich repeat containing 46
<i>Timp3</i>	tissue inhibitor of metalloproteinase 3
<i>Acan</i>	aggrecan
<i>Wnt16</i>	wingless-type MMTV integration site family, member 16
<i>Spata17</i>	spermatogenesis associated 17
<i>G0s2</i>	G0/G1 switch gene 2
<i>Skap1</i>	src family associated phosphoprotein 1
<i>Igf1</i>	insulin-like growth factor 1
<i>D1Pas1</i>	DNA segment, Chr 1, Pasteur Institute 1
<i>Teddm1</i>	transmembrane epididymal protein 1
<i>Cbx1</i>	chromobox 1
<i>Mrpl10</i>	mitochondrial ribosomal protein L10
<i>Casp3</i>	caspase 3
<i>Grid2</i>	glutamate receptor, ionotropic, delta 2
<i>Trpm3</i>	transient receptor potential cation channel, subfamily M, member 3
<i>Tbx21</i>	T-box 21
<i>Mtor</i>	mechanistic target of rapamycin (serine/threonine kinase)
<i>Nfe2l1</i>	nuclear factor, erythroid derived 2,-like 1
<i>Stab2</i>	stabilin 2
<i>Hoxb9</i>	homeobox B9
<i>Pon2</i>	paraoxonase 2
<i>Tgfb2</i>	transforming growth factor, beta 2
<i>Syn3</i>	synapsin III
<i>Comp</i>	cartilage oligomeric matrix protein
<i>Pcna</i>	proliferating cell nuclear antigen
<i>Sgce</i>	sarcoglycan, epsilon
<i>Gda</i>	guanine deaminase

<i>Fam63b</i>	family with sequence similarity 63, member B
<i>Bcl3</i>	B cell leukemia/lymphoma 3
<i>Fam81a</i>	family with sequence similarity 81, member A
<i>Ihh</i>	Indian hedgehog
<i>Htr1a</i>	5-hydroxytryptamine (serotonin) receptor 1A
<i>Scfd2</i>	Sec1 family domain containing 2
<i>Gmcs</i>	GDP-mannose 4, 6-dehydratase
<i>Fam105b</i>	family with sequence similarity 105, member B
<i>Lnx1</i>	ligand of numb-protein X 1
<i>Adam10</i>	a disintegrin and metallopeptidase domain 10
<i>Cas1</i>	CAS1 domain containing 1
<i>Pon1</i>	paraoxonase 1
<i>Smyd 3</i>	SET and MYND domain containing 3
<i>Fip11</i>	FIP1 like 1
<i>Oxgr1</i>	oxoglutarate
<i>Scrn 2</i>	secernin 2
<i>Il1r2</i>	interleukin 1 receptor, type II
<i>Sp6</i>	trans-acting transcription factor 6
<i>Fam105a</i>	family with sequence similarity 105, member A
<i>Hs6st3</i>	heparan sulfate 6-O-sulfotransferase 3
<i>Tle3</i>	transducin-like enhancer of split 3
<i>Ank</i>	progressive ankylosis
<i>Cdk5rap3</i>	CDK5 regulatory subunit associated protein 3
<i>Zfp648</i>	zinc finger protein 648
<i>Gpatch2</i>	G patch domain containing 2
<i>Map4k4</i>	mitogen-activated protein kinase kinase kinase kinase 4
<i>Bmp2</i>	bone morphogenetic protein 2
<i>Tgfb1</i>	transforming growth factor, beta 1
<i>Il1rl2</i>	interleukin 1 receptor-like 2
<i>Sp2</i>	Sp2 transcription factor
<i>Postn</i>	periostin, osteoblast specific factor
<i>Ppp1r9a</i>	protein phosphatase 1, regulatory (inhibitor) subunit 9A
<i>Ulk1</i>	unc-51 like kinase 1
<i>Sorcs1</i>	sortilin-related VPS10 domain containing receptor 1
<i>Xrcc2</i>	X-ray repair complementing defective repair in Chinese hamster cells 2
<i>Myo1e</i>	myosin IE
<i>Aff3</i>	AF4/FMR2 family, member 3
<i>Tmem2</i>	transmembrane protein 2
<i>Uaca</i>	uveal autoantigen with coiled-coil domains and ankyrin repeats

*housekeeping genes