

S2 Table. Top 30 genes with high distal DA/aorta ratio.

Gene name	Gene symbol	Fold Change (disDA/aorta)	NCBI ref seq	Probe ID	gene ID
tenascin C	<i>tnc</i>	1.82	NM_205456	15439065	396440
collagen, type VIII, alpha 1	<i>col8a1</i>	1.69		15403120	418378
family with sequence similarity 132, member A	<i>fam132a</i>	1.59	XM_417583	15468686	419422
family with sequence similarity 13, member C	<i>fam13c</i>	1.59		15524862	423602
G protein-coupled receptor 20	<i>gpr20</i>	1.45		15464028	428381
phytanoyl-CoA 2-hydroxylase interacting protein-like	<i>phyhipl</i>	1.44	NM_001199504	15528343	423603
desmin	<i>des</i>	1.41		15536995	395906
calcium channel, voltage-dependent, T type, alpha 1H subunit	<i>cacna1h</i>	1.40		15429785	416526
clone ChEST566j15		1.38		15517930	
matrix Gla protein	<i>mgp</i>	1.38	NM_205044	15387274	395912
tenascin	<i>tnc</i>	1.37	X73833	15439092	396440
melanocortin 5 receptor	<i>mc5r</i>	1.36	NM_001031015	15461279	421047
regulator of G-protein signaling 16	<i>rgs16</i>	1.35		15538900	424409
G protein-coupled receptor 126	<i>gpr126</i>	1.35	NM_001031071	15497320	421673

ATPase, Ca ⁺⁺ transporting, ubiquitous	<i>atp2a3</i>	1.33	NM_204891	15444194	395707
serine peptidase inhibitor, Kazal type 5	<i>spink5</i>	1.33	NM_001030612	15423382	416235
kinase insert domain receptor (a type III receptor tyrosine kinase)	<i>kdr</i>	1.32	NM_001004368	15505176	395323
transgelin	<i>tagln</i>	1.32		15475181	396490
family with sequence similarity 20, member C	<i>fam20c</i>	1.32		15426628	416445
leucine-rich repeat containing G protein-coupled receptor 5	<i>lgr5</i>	1.32		15386401	427867
solute carrier family 38, member 4	<i>slc38a4</i>	1.32	NM_001199549	15398648	417809
G protein-coupled receptor 116	<i>gpr116</i>	1.31		15500349	422061
transcription factor AP-2 beta (activating enhancer binding protein 2 beta)	<i>tfap2b</i>	1.31	NM_204895	15500239	395713
von Willebrand factor	<i>vwf</i>	1.31		15401973	419031
microRNA mir-1645	<i>mir1645</i>	1.29	NR_035136	15398276	100316010
c-fos induced growth factor (vascular endothelial growth factor D)	<i>figf</i>	1.29	NM_204568	15393053	395255
nidogen 1	<i>nid1</i>	1.28		15488286	395531
four and a half LIM domains 2	<i>fhl2</i>	1.27	BX933997	15405749	418726
microRNA mir-27b	<i>mir27b</i>	1.27	NR_031497	15559626	777878