

Table 5. A list of 32 genes involved in vascular calcification regulation was examined for correlation with *Abcc6* expression level in liver tissue from the BxD and BxH intercrosses

Gene	<i>Abcc6</i>				Gene description
	BxD		BxH.apoE ^{-/-}		
	r-Pearson	Pp	r-Pearson	Pp	
<i>Spp1</i> *	-0.555	2.62E-10	-0.283	4.01E-07	Osteopontin (OPN)
<i>Spp2</i>	0.456	5.03E-07	0.177	0.0018	Secreted phosphoprotein 2
<i>Enpp1</i> *	0.453	6.05E-07	0.251	7.24E-06	Ectonucleotide pyrophosphatase/phosphodiesterase 1 (NPP1)
<i>Tnfrsf11a</i>	0.431	2.33E-06	0.136	0.0161	Tumor necrosis factor receptor superfamily, member 11a (RANK)
<i>Akp2</i>	0.292	0.0019	-0.132	0.0201	Alkaline phosphatase 2 (TNAP)
<i>Runx2</i>	-0.281	0.0028	-0.138	0.0156	Runt related transcription factor 2 (Cbfa1)
<i>Smad6</i>	-0.218	0.0217	0.12	0.0348	MAD homolog 6
<i>Ggcx</i>	0.584	1.72E-11	0.115	0.0507	Gamma-glutamyl carboxylase
<i>Sparc</i>	-0.575	4.23E-11	-0.062	0.2918	Secreted acidic cysteine rich glycoprotein (Osteonectin)
<i>Vkorc1</i>	0.566	9.95E-11	-0.07	0.2181	Vitamin K epoxide reductase complex, subunit 1
<i>Fbn1</i>	-0.543	7.42E-10	-0.04	0.4873	Fibrillin 1
<i>Ctnnb1</i>	-0.493	3.90E-08	-0.105	0.0634	Beta-catenin
<i>Dcn</i>	-0.396	1.71E-05	-0.071	0.2131	Decorin
<i>Ank</i>	0.396	1.72E-05	0.022	0.7031	Progressive ankylosis
<i>Slc20a1</i>	-0.374	5.19E-05	-0.033	0.5605	Solute carrier family 20, member 1 (Phosphate transporter)
<i>Tnfrsf11b</i>	-0.178	0.0611	-0.049	0.3853	Tumor necrosis factor receptor superfamily, member 11b (Osteoprotegerin)
<i>Bmpr2</i>	0.16	0.0942	-0.06	0.295	Bone morphogenic protein receptor, type II
<i>Car2</i>	-0.095	0.3203	0.075	0.1906	Carbonic anhydrase 2
<i>Msx1</i>	-0.055	0.5734	-0.056	0.3229	Homeo box, msh-like 1
<i>Bmp4</i>	-0.053	0.5783	-0.065	0.2571	Bone morphogenetic protein 4
<i>Slc20a2</i>	-0.05	0.6279	0.135	0.0168	Solute carrier family 20, member 2 (Phosphate transporter)
<i>Bmp2</i>	-0.046	0.6322	0.073	0.1971	Bone morphogenetic protein 2
<i>Msx2</i>	-0.047	0.6445	0.044	0.44	Homeo box, msh-like 2
<i>Ahsg</i>	0.041	0.6657	0.31	0.0007	Alpha-2-HS-glycoprotein (Fetuin A)
<i>Kl</i>	-0.042	0.666	-0.052	0.3584	Klotho
<i>Tnfrsf11</i>	0.043	0.6842	-0.022	0.7033	Tumor necrosis factor (ligand) superfamily, member 11 (RANKL)
<i>Pthlh</i>	0.024	0.8053	-0.112	0.0507	Parathyroid hormone-like peptide
<i>Cyp27b1</i>	n/a	n/a	0.104	0.0667	25-hydroxyvitamin D3 1 alpha-hydroxylase (Vdd1)
<i>Sp7</i>	n/a	n/a	0.056	0.3226	Trans-acting transcription factor 7 (Osterix)
<i>Sox9</i>	n/a	n/a	-0.044	0.4452	SRY-box containing gene 9
<i>MGP</i>	n/a	n/a	-0.024	0.6732	Matrix Gla protein
<i>Bglap1</i>	n/a	n/a	-0.001	0.9805	Bone gamma carboxyglutamate protein 1 (Osteocalcin)

Correlation coefficient (r) and *P* value for Pearson (*Pp*) analyses are shown. Significant *P* values (*P* < 0.05) and genes with significant *P* values in both crosses are in bold letters. Genes with statistical significant correlation with *Abcc6* expression after Bonferroni multiple test correction are indicated (*). n/a, not represented on the microarray chip.