

**S9 Table. *Myh14* cis-eQTL across multiples tissues in different HMDP datasets.**

Dataset	ProbesetID	pvalue	OR
AthAoFemale	1428835_PM_at	0.006	0.91
AthLiverFemale	1428835_PM_at	0.0002	0.89
ChowAdipose	1428835_at	0.004	1.13
ChowAorta	1428835_PM_at	0.006	1.16
ChowBone	ILMN_1217519	0.03	1.01
ChowHeart*	1428835_at	0.0005	1.35
ChowLiver	1428835_at	6.12E-06	1.19
HFA adiposeFemale	1428835_at	0.0004	1.22
HFA adiposeMale	1428835_at	0.004	1.18
HFHypothalMale	TSS82697	3.7E-09	0.79
HFLiverFemale	1428835_at	2.99E-11	1.23
HFLiverMale	1428835_at	2.08E-12	1.08

\* Associated SNP outside of the LD block of rs40560913