

**Table S1.** Data samples used to construct reference database for liver tissue (i.e., Treatment A from Figure 2). The procedure described in Figure 2 indicates that  $n_A$  arrays were used as a reference set to identify signature transcripts associated with a given cell population. A total of  $n_A = 56$  arrays were obtained from Gene Expression Omnibus and assigned to this reference set treatment. These 56 hybridizations are listed below. As indicated in the table, each sample corresponds to a hybridization that involves RNA extracted from liver of young male or female mice ( $\leq 16$  weeks of age).

<b>Series</b>	<b>Samples</b>	<b>Age</b>	<b>Strain</b>	<b>Gender</b>
GSE10246	GSM258687 GSM258688	9 weeks	C57BL6	Male
GSE10744	GSM271266 GSM271269 GSM271278	12 weeks	C3HEBFEJ	Male
GSE10744	GSM271279 GSM271267 GSM271272	12 weeks	C57BL6J	Male
GSE10744	GSM271275 GSM271268 GSM271280	12 weeks	AKRJ	Male
GSE10744	GSM271270 GSM271283 GSM271274	12 weeks	DBA2J	Male
GSE10744	GSM271277 GSM271281 GSM271271	12 weeks	AJ	Male
GSE10744	GSM271282 GSM271276 GSM271273	12 weeks	129S2	Male
GSE9954	GSM252074 GSM252075 GSM252076	11 weeks	C57BL6	Male
GSE18293	GSM456394 GSM456395 GSM456396	5 weeks	Swiss Webster	Female
GSE9441	GSM239850 GSM239851 GSM239852	12 weeks	AKRJ	Male
GSE9441	GSM239856 GSM239857 GSM239858	12 weeks	C57BL6J	Male
GSE9441	GSM239862 GSM239863 GSM239864	12 weeks	DBA2J	Male
GSE14395	GSM359832 GSM359833	11 weeks	SV129	Male

	GSM359834			
GSE14395	GSM359838 GSM359839 GSM359840	11 weeks	SV129	Female
GSE7357	GSM177149 GSM177150 GSM177151	7 weeks	C57BL6	Male
GSE7357	GSM177155 GSM177156 GSM177157	7 weeks	DBA2	Male
GSE8292	GSM205766 GSM205767 GSM205768	16 weeks	129S1SVIMJ	Male
GSE12693	GSM318346 GSM318643 GSM318644	10 weeks	BALBC	Male
GSE5959	GSM138289 GSM138290 GSM138291	8 weeks	C57BL6J	Female