Supplement Table 1. Metabolites Identified in the Myocardium of MI and Sham Rabbits.a

			Left Ventricular Free Wall				Intraventricular Septum				Right Ventricle			
		KEGG	MI/Sham	Raw data	Log data		MI/Sham	Raw data	Log data		MI/Sham	Raw data	Log data	
Network module	Compound	Identifier	Mean	p value	p value	FDR	Mean	p value	p value	FDR	Mean	p value	p value	FDR
Amines	phosphoethanolamine	C00346	0.767	0.083	0.043	0.636	0.950	0.659	0.694	0.903	0.816	0.291	0.376	0.989
	hydroxylamine	C00192	0.926	0.686	0.531	0.894	0.868	0.182	0.160	0.691	1.332	0.450	0.358	0.989
	ethanolamine	C00189	0.778	0.268	0.215	0.763	0.771	0.059	0.038	0.540	0.930	0.605	0.442	0.989
	lactamide		0.768	0.425	0.400	0.820	1.174	0.446	0.713	0.827	0.839	0.088	0.078	0.989
Amino Acids	3-aminoisobutyric acid	C05145	1.587	0.058	0.088	0.551	1.253	0.263	0.278	0.758	0.989	0.970	0.886	0.992
	oxoproline	C01879	0.896	0.241	0.173	0.747	0.906	0.146	0.126	0.670	0.895	0.165	0.180	0.989
	hippuric acid	C01586	0.725	0.307	0.240	0.792	0.849	0.609	0.372	0.891	0.840	0.563	0.566	0.989
	creatinine	C00791	0.629	0.156	0.069	0.706	0.822	0.214	0.206	0.704	0.793	0.560	0.349	0.989
	n-acetylglutamate	C00624	0.527	0.288	0.116	0.763	0.801	0.524	0.561	0.871	0.704	0.479	0.184	0.989
	isoleucine	C00407	1.083	0.450	0.448	0.824	0.952	0.518	0.513	0.868	0.924	0.470	0.471	0.989
	asparagine	C00152	0.850	0.381	0.441	0.811	1.063	0.695	0.645	0.916	1.709	0.257	0.209	0.989
	putrescine	C00138	0.963	0.759	0.756	0.914	1.031	0.865	0.836	0.964	1.060	0.617	0.611	0.989
	leucine	C00123	0.956	0.818	0.970	0.929	0.944	0.611	0.506	0.891	1.029	0.885	0.858	0.989
	beta-alanine	C00099	0.734	0.284	0.119	0.763	0.557	0.013	0.014	0.385	0.731	0.363	0.154	0.989
	methionine	C00073	1.120	0.556	0.466	0.864	1.111	0.415	0.505	0.809	1.220	0.012	0.016	0.989
	glutamine	C00064	1.074	0.847	0.542	0.932	0.886	0.732	0.606	0.926	1.184	0.627	0.662	0.989
	glutathione	C00051	1.033	0.807	0.963	0.929	1.768	0.003	0.003	0.276	1.360	0.144	0.263	0.989
	aspartic acid	C00049	1.553	0.082	0.273	0.636	1.875	0.046	0.070	0.540	0.992	0.975	0.872	0.992
	lysine	C00047	0.979	0.930	0.969	0.964	0.823	0.469	0.612	0.846	0.953	0.807	0.632	0.989
	alanine	C00041	0.802	0.567	0.707	0.864	0.730	0.380	0.465	0.779	0.765	0.334	0.154	0.989
	glycine	C00037	1.078	0.394	0.495	0.813	1.056	0.519	0.643	0.868	1.080	0.576	0.603	0.989
	glutamic acid	C00025	1.432	0.269	0.245	0.763	1.880	0.096	0.268	0.594	1.292	0.376	0.333	0.989
	alpha-aminoadipic acid	C00956	1.101	0.629	0.500	0.877	1.198	0.251	0.505	0.758	1.236	0.316	0.555	0.989
	taurine	C00245	3.499	0.001	0.007	0.140	1.899	0.001	0.000	0.157	3.156	0.036	0.083	0.989
	threonine	C00188	0.963	0.818	0.887	0.929	1.004	0.966	0.975	0.988	1.390	0.069	0.068	0.989
	valine	C00183	1.127	0.612	0.433	0.864	0.944	0.440	0.435	0.827	0.978	0.863	0.661	0.989
	tyrosine	C00082	1.027	0.758	0.852	0.914	0.921	0.360	0.306	0.779	0.971	0.848	0.703	0.989
	phenylalanine	C00079	1.445	0.047	0.075	0.551	1.582	0.040	0.048	0.531	1.192	0.225	0.314	0.989
	tryptophan	C00078	1.092	0.446	0.476	0.824	1.150	0.120	0.121	0.634	1.107	0.490	0.753	0.989
	serine	C00065	1.276	0.110	0.150	0.637	0.932	0.621	0.451	0.891	1.027	0.748	0.942	0.989
Aromatics	salicylic acid	C00805	0.815	0.557	0.434	0.864	0.996	0.987	0.978	0.995	0.773	0.421	0.451	0.989
	noradrenaline	C00547	0.722	0.161	0.055	0.706	0.760	0.110	0.071	0.619	0.957	0.867	0.940	0.989
	benzoic acid	C00180	1.301	0.264	0.277	0.763	0.765	0.009	0.004	0.372	1.263	0.470	0.383	0.989
Fatty Acids	palmitoleic acid	C08362	1.102	0.645	0.772	0.890	0.674	0.017	0.013	0.425	1.334	0.341	0.747	0.989

Supplement Table 1. Metabolites Identified in the Myocardium of MI and Sham Rabbits.a

			Left Ventricular Free Wall				Intraventricular Septum				Right Ventricle			
		KEGG	MI/Sham	Raw data	Log data		MI/Sham	Raw data	Log data		MI/Sham	Raw data	Log data	
Network module	Compound	Identifier	Mean	p value	p value	FDR	Mean	p value	p value	FDR	Mean	p value	p value	FDR
	linolenic acid	C06427	1.334	0.056	0.046	0.551	1.057	0.663	0.713	0.903	1.099	0.486	0.641	0.989
	arachidic acid	C06425	1.255	0.181	0.212	0.713	1.181	0.328	0.877	0.779	0.836	0.447	0.285	0.989
	myristic acid	C06424	0.950	0.738	0.602	0.914	1.163	0.293	0.421	0.779	1.194	0.356	0.406	0.989
	lauric acid	C02679	1.018	0.922	0.735	0.964	1.018	0.890	0.920	0.964	1.152	0.290	0.336	0.989
	pelargonic acid	C01601	1.138	0.351	0.511	0.807	1.116	0.331	0.323	0.779	0.936	0.768	0.846	0.989
	linoleic acid	C01595	1.141	0.471	0.642	0.830	1.000	0.998	0.999	0.998	1.171	0.481	0.610	0.989
	capric acid	C01571	1.237	0.266	0.266	0.763	0.971	0.885	0.810	0.964	0.910	0.621	0.545	0.989
	stearic acid	C01530	1.166	0.125	0.162	0.683	0.946	0.528	0.604	0.871	1.033	0.845	0.923	0.989
	oleic acid	C00712	0.984	0.925	0.755	0.964	0.969	0.885	0.856	0.964	0.975	0.902	0.655	0.989
	palmitic acid	C00249	1.157	0.252	0.323	0.759	1.055	0.541	0.532	0.879	0.945	0.704	0.692	0.989
	arachidonic acid	C00219	0.850	0.522	0.633	0.860	0.965	0.888	0.653	0.964	1.044	0.858	0.422	0.989
	heptadecanoic acid		1.244	0.081	0.126	0.636	0.956	0.768	0.605	0.935	0.976	0.891	0.960	0.989
	hexadecane		0.852	0.577	0.522	0.864	1.279	0.319	0.525	0.779	0.679	0.231	0.253	0.989
Glycolysis	3-phosphoglycerate	C00597	0.957	0.918	0.849	0.964	1.512	0.055	0.072	0.540	1.033	0.880	0.959	0.989
	glucose	C00221	1.019	0.952	0.540	0.968	1.279	0.351	0.257	0.779	1.059	0.770	0.581	0.989
	fructose-1,6-bisphosphate	C05378	1.385	0.216	0.248	0.713	1.346	0.378	0.567	0.779	0.960	0.859	0.875	0.989
	fructose-6-phosphate	C05345	0.830	0.728	0.425	0.914	0.977	0.953	0.674	0.980	0.758	0.546	0.891	0.989
	glucose-6-phosphate	C00092	0.720	0.557	0.467	0.864	0.914	0.834	0.637	0.959	0.833	0.685	0.937	0.989
	pyruvic acid	C00022	1.134	0.535	0.537	0.864	1.397	0.116	0.166	0.630	1.232	0.174	0.257	0.989
Ketones	3-hydroxybutyric acid	C01089	0.730	0.553	0.862	0.864	0.703	0.320	0.160	0.779	0.718	0.326	0.652	0.989
	4-hydroxybutyric acid	C00989	0.815	0.373	0.296	0.807	0.809	0.306	0.360	0.779	1.168	0.564	0.702	0.989
	2-hydroxyvaleric acid		0.755	0.150	0.182	0.706	0.645	0.060	0.058	0.540	0.662	0.040	0.043	0.989
Monoacylglycerols	1-monostearin	D01947	1.194	0.786	0.763	0.923	0.867	0.727	0.110	0.926	4.578	0.083	0.185	0.989
	1-monopalmitin	C01885	0.909	0.860	0.853	0.937	0.926	0.836	0.465	0.959	2.123	0.246	0.594	0.989
	1-monoolein		1.046	0.791	0.872	0.925	0.978	0.917	0.858	0.967	0.933	0.573	0.470	0.989
	2-monoolein		1.244	0.062	0.066	0.551	1.104	0.593	0.513	0.882	1.240	0.252	0.314	0.989
Organic Acids	threonic acid	C01620	0.881	0.477	0.378	0.830	0.841	0.504	0.552	0.864	1.514	0.038	0.059	0.989
	aminomalonate	C00872	0.719	0.001	0.001	0.140	0.865	0.268	0.224	0.758	1.031	0.771	0.762	0.989
	glyceric acid	C00258	1.089	0.677	0.779	0.894	0.994	0.955	0.978	0.980	0.876	0.603	0.798	0.989
	oxalic acid	C00209	1.142	0.579	0.643	0.864	0.870	0.315	0.376	0.779	0.994	0.981	0.990	0.992
	glycolic acid	C00160	1.045	0.739	0.868	0.914	1.036	0.734	0.711	0.926	0.849	0.678	0.920	0.989
Pentose Phosphate	ribulose-5-phosphate	C00199	0.653	0.061	0.093	0.551	0.976	0.884	0.632	0.964	0.899	0.681	0.978	0.989
Pathway	ribose-5-phosphate	C00117	0.711	0.172	0.200	0.706	0.846	0.302	0.343	0.779	1.077	0.516	0.488	0.989
Phosphates	pyrophosphate	C00013	1.232	0.584	0.754	0.864	1.043	0.882	0.887	0.964	0.949	0.844	0.854	0.989

Supplement Table 1. Metabolites Identified in the Myocardium of MI and Sham Rabbits.a

			Left Ventricular Free Wall				Intraventricular Septum				Right Ventricle			
		KEGG	MI/Sham	Raw data	Log data		MI/Sham	Raw data	Log data		MI/Sham	Raw data	Log data	
Network module	Compound	Identifier	Mean	p value	p value	FDR	Mean	p value	p value	FDR	Mean	p value	p value	FDR
	phosphate	C00009	0.723	0.104	0.135	0.637	0.751	0.203	0.144	0.704	0.809	0.132	0.085	0.989
	methanolphosphate		1.970	0.017	0.082	0.378	0.959	0.888	0.766	0.964	0.733	0.345	0.584	0.989
Purines	inosine	C00294	1.439	0.011	0.031	0.345	1.358	0.011	0.023	0.385	1.719	0.025	0.025	0.989
	hypoxanthine	C00262	1.102	0.507	0.494	0.848	0.867	0.347	0.299	0.779	1.537	0.041	0.040	0.989
	inosine 5'-monophosphate	C00130	1.113	0.752	0.840	0.914	1.513	0.495	0.251	0.856	1.568	0.341	0.643	0.989
	adenosine-5-monophosphate	C00020	1.078	0.775	0.997	0.921	0.818	0.438	0.508	0.827	0.756	0.285	0.283	0.989
Pyrimidines	uridine	C00299	0.879	0.666	0.608	0.894	1.128	0.732	0.605	0.926	1.037	0.913	0.902	0.989
	uracil	C00106	1.097	0.706	0.577	0.903	1.044	0.899	0.606	0.964	1.291	0.406	0.483	0.989
Sterols	dihydrocholesterol	C12978	1.237	0.149	0.217	0.706	1.072	0.683	0.539	0.909	1.088	0.685	0.740	0.989
	squalene	C00751	0.873	0.364	0.256	0.807	0.905	0.687	0.859	0.909	0.915	0.562	0.367	0.989
	tocopherol alpha-	C00376	0.779	0.091	0.055	0.637	0.857	0.383	0.594	0.781	0.961	0.796	0.871	0.989
	cholesterol	C00187	1.091	0.199	0.242	0.713	0.962	0.548	0.557	0.879	1.199	0.025	0.033	0.989
Sugars	n-acetyl-d-hexosamine	C03878	1.388	0.068	0.153	0.575	1.071	0.645	0.829	0.903	1.233	0.130	0.217	0.989
	cellobiose	C01971	1.234	0.341	0.376	0.807	1.018	0.931	0.970	0.975	1.185	0.422	0.809	0.989
	maltotriose	C01835	1.160	0.579	0.399	0.864	1.284	0.366	0.273	0.779	1.304	0.392	0.427	0.989
	arabinose	C00216	0.719	0.313	0.681	0.793	0.810	0.464	0.154	0.845	1.702	0.079	0.082	0.989
	maltose	C00208	1.255	0.215	0.237	0.713	1.023	0.917	0.822	0.967	1.418	0.184	0.214	0.989
	mannose	C00159	0.856	0.667	0.946	0.894	1.315	0.368	0.323	0.779	1.556	0.078	0.055	0.989
	ribose	C00121	0.666	0.121	0.075	0.683	1.024	0.929	0.515	0.975	1.711	0.095	0.099	0.989
	sucrose	C00089	0.485	0.364	0.210	0.807	0.619	0.403	0.371	0.809	1.059	0.887	0.999	0.989
	UDP GlcNAc	C00043	1.048	0.812	0.990	0.929	1.105	0.553	0.479	0.879	0.894	0.561	0.578	0.989
	conduritol-beta-epoxide		0.765	0.226	0.197	0.724	0.673	0.050	0.079	0.540	0.792	0.209	0.241	0.989
	levoglucosan		1.230	0.505	0.763	0.848	1.115	0.659	0.478	0.903	0.899	0.848	0.771	0.989
Sugar Acids	dehydroascorbic acid	C05422	1.117	0.609	0.792	0.864	1.803	0.006	0.009	0.344	0.918	0.699	0.808	0.989
	ribonic acid	C01685	1.260	0.101	0.308	0.637	1.126	0.335	0.458	0.779	1.196	0.372	0.419	0.989
Sugar Alcohols	pinitol	C03844	1.291	0.215	0.268	0.713	0.977	0.897	0.592	0.964	1.211	0.316	0.387	0.989
	arabitol	C01904	0.723	0.564	0.613	0.864	1.273	0.414	0.366	0.809	1.065	0.619	0.893	0.989
	sorbitol	C00794	1.139	0.692	0.640	0.896	1.394	0.419	0.297	0.809	2.207	0.052	0.149	0.989
	lyxitol	C00532	0.702	0.513	0.802	0.850	1.026	0.898	0.728	0.964	1.018	0.938	0.775	0.989
	hexitol	C00392	1.028	0.913	0.978	0.964	0.930	0.739	0.795	0.926	1.098	0.707	0.706	0.989
	myo-inositol	C00137	0.787	0.012	0.011	0.345	0.870	0.078	0.064	0.567	0.864	0.127	0.094	0.989
	glycerol	C00116	1.224	0.236	0.397	0.737	0.621	0.020	0.014	0.462	1.054	0.753	0.778	0.989
Sugar Phosphates	inositol-4-monophosphate	C03546	1.506	0.204	0.232	0.713	1.212	0.336	0.308	0.779	0.894	0.688	0.673	0.989
	glycerol-alpha-phosphate	C03189	0.738	0.279	0.203	0.763	1.111	0.620	0.684	0.891	0.791	0.504	0.295	0.989

Supplement Table 1. Metabolites Identified in the Myocardium of MI and Sham Rabbits.a

			Left Ventricular Free Wall				Intraventricular Septum				Right Ventricle			
		KEGG	MI/Sham	Raw data	Log data		MI/Sham	Raw data	Log data		MI/Sham	Raw data	Log data	
Network module	**Compound**	**Identifier**	**Mean**	**p value**	**p value**	**FDR**	**Mean**	**p value**	**p value**	**FDR**	**Mean**	**p value**	**p value**	**FDR**
	hexose-6-phosphate	C02965	0.622	0.436	0.631	0.822	0.777	0.581	0.810	0.882	0.877	0.761	0.913	0.989
	galactose-6-phosphate	C01113	1.154	0.783	0.485	0.923	2.607	0.363	0.871	0.779	1.218	0.298	0.402	0.989
	fructose-1-phosphate	C01094	0.242	0.398	0.721	0.813	1.493	0.231	0.245	0.729	1.161	0.568	0.801	0.989
	glucose-1-phosphate	C00103	1.241	0.491	0.333	0.844	1.098	0.791	0.377	0.938	1.021	0.947	0.751	0.989
Sulfate	sulfuric acid	C00059	2.143	0.020	0.035	0.402	0.996	0.986	0.639	0.995	1.475	0.155	0.369	0.989
TCA Cycle	2-hydroxyglutaric acid	C02630	0.962	0.875	0.943	0.947	1.378	0.092	0.115	0.590	0.843	0.315	0.298	0.989
	lactic acid	C01432	1.076	0.706	0.760	0.903	1.198	0.322	0.314	0.779	0.917	0.463	0.317	0.989
	malic acid	C00711	0.837	0.465	0.404	0.830	0.931	0.765	0.733	0.935	0.740	0.205	0.211	0.989
	isocitric acid	C00451	0.894	0.562	0.531	0.864	0.817	0.425	0.604	0.816	0.945	0.752	0.845	0.989
	citric acid	C00158	0.821	0.391	0.415	0.811	0.811	0.483	0.790	0.850	0.959	0.823	0.624	0.989
	fumaric acid	C00122	0.679	0.189	0.103	0.713	1.017	0.942	0.955	0.980	0.716	0.194	0.187	0.989
	succinic acid	C00042	0.858	0.578	0.756	0.864	0.706	0.049	0.025	0.540	0.645	0.026	0.014	0.989
	alpha-ketoglutarate	C00026	1.017	0.844	0.962	0.931	1.159	0.224	0.235	0.727	1.030	0.838	0.951	0.989
Urea Cycle	urea	C00086	0.835	0.032	0.028	0.491	0.839	0.108	0.101	0.619	1.005	0.972	0.801	0.992
	hydroxycarbamate NIST		0.726	0.103	0.170	0.637	0.761	0.024	0.020	0.481	1.313	0.325	0.348	0.989
Vitamins	pantothenic acid	C12276	0.814	0.101	0.115	0.637	1.426	0.141	0.149	0.660	0.868	0.388	0.313	0.989
	nicotinamide	C00153	1.064	0.774	0.486	0.921	0.682	0.004	0.027	0.282	0.927	0.548	0.552	0.989
	terephthalic acid	C06337	0.671	0.028	0.025	0.482	0.831	0.139	0.123	0.660	0.873	0.275	0.190	0.989
	propane-1,3-diol NIST	C02457	1.240	0.196	0.186	0.713	0.984	0.878	0.987	0.964	1.013	0.947	0.998	0.989
	[a]KEGG identifier obtained from the KEGG resource database; MI/Sham = ratio of the mean signal in MI and Sham rabbits; Raw data and Log2 data p values represent comparisons between MI and Sham signals using Welch's t-test; FDR = False Discovery Rate as calculated using the Benjamini-Hochberg procedure [77}													

Supplement Table 2. Metabolites Identified in the Serum of MI and Sham Rabbits[a]

		KEGG	MI/Sham	Raw data	Log data	
Network module	**Compound**	**Identifier**	**Mean**	**p value**	**p value**	**FDR**
Amines	phosphoethanolamine	C00346	1.125	0.663	0.620	0.815
	lactamide		1.076	0.772	0.881	0.872
	hydroxylamine	C00192	1.305	0.093	0.098	0.631
	ethanolamine	C00189	1.053	0.697	0.679	0.843
Amino Acids	oxoproline	C01879	1.120	0.440	0.427	0.723
	n-acetylglutamate	C00624	1.355	0.165	0.166	0.631
	methionine	C00073	0.849	0.397	0.589	0.698
	lysine	C00047	0.739	0.355	0.119	0.691
	leucine	C00123	0.909	0.576	0.814	0.784
	kynurenic acid	C01717	1.571	0.205	0.250	0.631
	isoleucine	C00407	1.016	0.913	0.700	0.958
	hippuric acid	C01586	1.121	0.735	0.694	0.854
	glycine	C00037	1.050	0.780	0.648	0.872
	glutamine	C00064	1.009	0.977	0.760	0.990
	glutamic acid	C00025	1.082	0.522	0.518	0.758
	creatinine	C00791	1.001	0.990	0.981	0.990
	beta-alanine	C00099	0.589	0.023	0.014	0.631
	aspartic acid	C00049	0.997	0.990	0.733	0.990
	asparagine	C00152	1.104	0.682	0.384	0.832
	alanine	C00041	0.800	0.394	0.341	0.698
	ornithine	C00077	0.255	0.310	0.152	0.679
	valine	C00183	0.915	0.572	0.768	0.784
	tyrosine	C00082	1.232	0.141	0.162	0.631
	tryptophan	C00078	1.149	0.459	0.415	0.725
	trans-4-hydroxyproline	C01157	0.812	0.371	0.800	0.691
	threonine	C00188	1.136	0.452	0.415	0.725
	taurine	C00245	0.485	0.384	0.480	0.691
	serine	C00065	1.185	0.306	0.387	0.679
	phenylethylamine	C05332	1.045	0.909	0.769	0.958
	phenylalanine	C00079	1.174	0.241	0.289	0.631
Aromatics	salicylic acid	C00805	0.990	0.985	0.692	0.990
	benzoic acid	C00180	0.854	0.477	0.447	0.732
Fatty Acids	stearic acid	C01530	1.262	0.048	0.075	0.631

Supplement Table 2. Metabolites Identified in the Serum of MI and Sham Rabbits[a]

		KEGG	MI/Sham	Raw data	Log data	
Network module	**Compound**	**Identifier**	**Mean**	**p value**	**p value**	**FDR**
	pelargonic acid	C01601	1.281	0.078	0.123	0.631
	palmitoleic acid	C08362	0.774	0.317	0.214	0.681
	palmitic acid	C00249	1.208	0.073	0.093	0.631
	oleic acid	C00712	0.765	0.164	0.184	0.631
	myristic acid	C06424	0.994	0.975	0.645	0.990
	linolenic acid	C06427	1.089	0.715	0.638	0.845
	linoleic acid	C01595	0.941	0.783	0.577	0.872
	lauric acid	C02679	1.119	0.502	0.458	0.752
	hexadecane		1.036	0.882	0.714	0.948
	heptadecanoic acid		1.096	0.556	0.635	0.778
	capric acid	C01571	0.946	0.739	0.885	0.854
	arachidic acid	C06425	1.042	0.811	0.734	0.897
Monoacylglycerols	1-monostearin	D01947	1.272	0.252	0.343	0.633
	1-monopalmitin	C01885	1.120	0.642	0.949	0.815
	1-monoolein		0.609	0.369	0.414	0.691
Organic Acids	threonic acid	C01620	1.809	0.007	0.038	0.631
	pyrrole-2-carboxylic acid	C05942	0.876	0.647	0.970	0.815
	oxalic acid	C00209	1.510	0.072	0.256	0.631
	isothreonic acid	C00639	1.419	0.120	0.145	0.631
	glycolic acid	C00160	1.295	0.074	0.101	0.631
	glyceric acid	C00258	1.290	0.333	0.979	0.689
	aminomalonate	C00872	1.014	0.948	0.776	0.985
	3-hydroxybutyric acid	C01089	1.220	0.664	0.395	0.815
	2-picolinic acid	C10164	1.185	0.706	0.600	0.845
	2-ketoisocaproic acid	C00233	1.151	0.447	0.398	0.725
	2-hydroxyglutaric acid	C02630	1.214	0.385	0.404	0.691
	4-hydroxybutyric acid	C00989	1.216	0.207	0.252	0.631
Phosphates	phosphate	C00009	0.605	0.100	0.039	0.631
	methanolphosphate		1.345	0.424	0.351	0.712
Purines	inosine	C00294	1.128	0.591	0.405	0.786
	hypoxanthine	C00262	0.698	0.316	0.499	0.681
	adenosine-5-monophosphate	C00020	0.833	0.426	0.747	0.712
Pyrimidines	uridine	C00299	1.313	0.183	0.189	0.631

Supplement Table 2. Metabolites Identified in the Serum of MI and Sham Rabbits[a]

		KEGG	MI/Sham	Raw data	Log data	
Network module	**Compound**	**Identifier**	**Mean**	**p value**	**p value**	**FDR**
	uracil	C00106	1.147	0.466	0.543	0.729
	pseudo uridine	C02067	0.642	0.189	0.182	0.631
Sterols	tocopherol alpha-	C00376	0.938	0.781	0.740	0.872
	dihydrocholesterol	C12978	1.207	0.230	0.481	0.631
	dehydroabietic acid	C12078	1.140	0.237	0.289	0.631
	cholesterol	C00187	1.227	0.242	0.260	0.631
Sugars	xylose	C00181	1.403	0.276	0.284	0.644
	sucrose	C00089	1.533	0.425	0.290	0.712
	ribose	C00121	1.047	0.738	0.653	0.854
	mannose	C00159	1.228	0.066	0.106	0.631
	maltose	C00208	1.363	0.087	0.089	0.631
	lyxose	C00476	1.410	0.129	0.125	0.631
	glucose	C00221	1.198	0.108	0.160	0.631
	conduritol-beta-epoxide		1.308	0.158	0.217	0.631
	cellobiose	C01971	1.064	0.780	0.792	0.872
	3,6-anhydro-D-galactose	C06474	1.322	0.078	0.057	0.631
	1,5-anhydroglucitol	C07326	1.444	0.087	0.341	0.631
Sugar Acids	ribonic acid	C01685	0.929	0.686	0.968	0.833
	hexuronic acid		0.970	0.894	0.849	0.948
	dehydroascorbic acid	C05422	1.197	0.005	0.005	0.631
Sugar Alcohols	xylitol	C00379	1.622	0.185	0.126	0.631
	sorbitol	C00794	1.236	0.213	0.222	0.631
	pinitol	C03844	1.820	0.218	0.215	0.631
	myo-inositol	C00137	1.541	0.056	0.066	0.631
	lyxitol	C00532	1.347	0.098	0.105	0.631
	isothreitol	C16884	1.996	0.040	0.089	0.631
	hexitol	C00392	1.392	0.345	0.704	0.691
	glycerol	C00116	0.998	0.986	0.812	0.990
	arabitol	C01904	1.328	0.140	0.200	0.631
Sugar Phosphates	glycerol-alpha-phosphate	C03189	1.576	0.110	0.205	0.631
	glucose-1-phosphate	C00103	1.152	0.424	0.369	0.712
Sulfate	sulfuric acid	C00059	0.892	0.719	0.875	0.846
TCA Cycle	succinic acid	C00042	0.855	0.436	0.446	0.719

Supplement Table 2. Metabolites Identified in the Serum of MI and Sham Rabbits[a]

		KEGG	MI/Sham	Raw data	Log data	
Network module	**Compound**	**Identifier**	**Mean**	**p value**	**p value**	**FDR**
	pyruvic acid	C00022	0.653	0.256	0.448	0.633
	malic acid	C00711	0.539	0.060	0.039	0.631
	lactic acid	C01432	0.877	0.660	0.781	0.815
	isocitric acid	C00451	0.257	0.349	0.274	0.691
	fumaric acid	C00122	0.565	0.170	0.421	0.631
	citric acid	C00158	0.291	0.354	0.326	0.691
	alpha-ketoglutarate	C00026	0.845	0.541	0.933	0.773
	aconitic acid	C00417	1.014	0.967	0.485	0.990
Urea Cycle	urea	C00086	1.123	0.216	0.266	0.631
	hydroxycarbamate NIST		1.192	0.321	0.300	0.681
	propane-1,3-diol NIST	C02457	1.083	0.652	0.529	0.815

[a]KEGG identifier obtained from the KEGG resource database; MI/Sham = ratio of the mean signal in MI and Sham rabbits; Raw data and Log2 data p values represent comparisons between MI and Sham signals using Welch's t-test; FDR = False Discovery Rate as calculated using the Benjamini-Hochberg procedure [77].