

**Supplementary Table 5**

Differences in the expression of the housekeeping genes, *Actb* ( $\beta$ -actin), *Gapdh* (glyceraldehyde-3-phosphate dehydrogenase), *B2m* ( $\beta_2$  microglobulin between control and resilient/susceptible mice, summarized as  $\log_2$  FC values and *p*-values for each gene.

Control group	Test group	Gene	log2 fold- t		p-value	Adjusted p-value
Control Left	Resilient Left	<i>Actb</i>	0.101	2.148	0.048	<b>0.263</b>
Control Left	Resilient Left	<i>Gapdh</i>	-0.030	-0.542	0.596	<b>0.821</b>
Control Left	Resilient Left	<i>B2m</i>	0.121	2.748	0.015	<b>0.144</b>
Control Left	Susceptible Left	<i>Actb</i>	0.118	2.755	0.015	<b>0.130</b>
Control Left	Susceptible Left	<i>Gapdh</i>	0.076	1.486	0.158	<b>0.446</b>
Control Left	Susceptible Left	<i>B2m</i>	0.012	0.291	0.775	<b>0.914</b>
Control Right	Resilient Right	<i>Actb</i>	0.045	0.959	0.353	<b>0.791</b>
Control Right	Resilient Right	<i>Gapdh</i>	-0.106	-1.874	0.080	<b>0.488</b>
Control Right	Resilient Right	<i>B2m</i>	-0.004	-0.091	0.928	<b>0.986</b>
Control Right	Susceptible Right	<i>Actb</i>	0.146	3.404	0.004	<b>0.069</b>
Control Right	Susceptible Right	<i>Gapdh</i>	-0.064	-1.252	0.230	<b>0.580</b>
Control Right	Susceptible Right	<i>B2m</i>	-0.116	-3.870	0.001	<b>0.037</b>

**Normalized Avg. Expression**

	Control Left	Control Right	Resilient Left	Resilient Right	Susceptible Left	Susceptible Right
<i>Gapdh</i>	9076.67811	9743.384	8987.215	9055.841	9682.672	9326.445
<i>Actb</i>	4288.406856	4225.192	4483.022	4356.701	4536.954	4672.977
<i>B2m</i>	2140.939598	2141.417	2287.402	2135.578	2120.134	1922.615