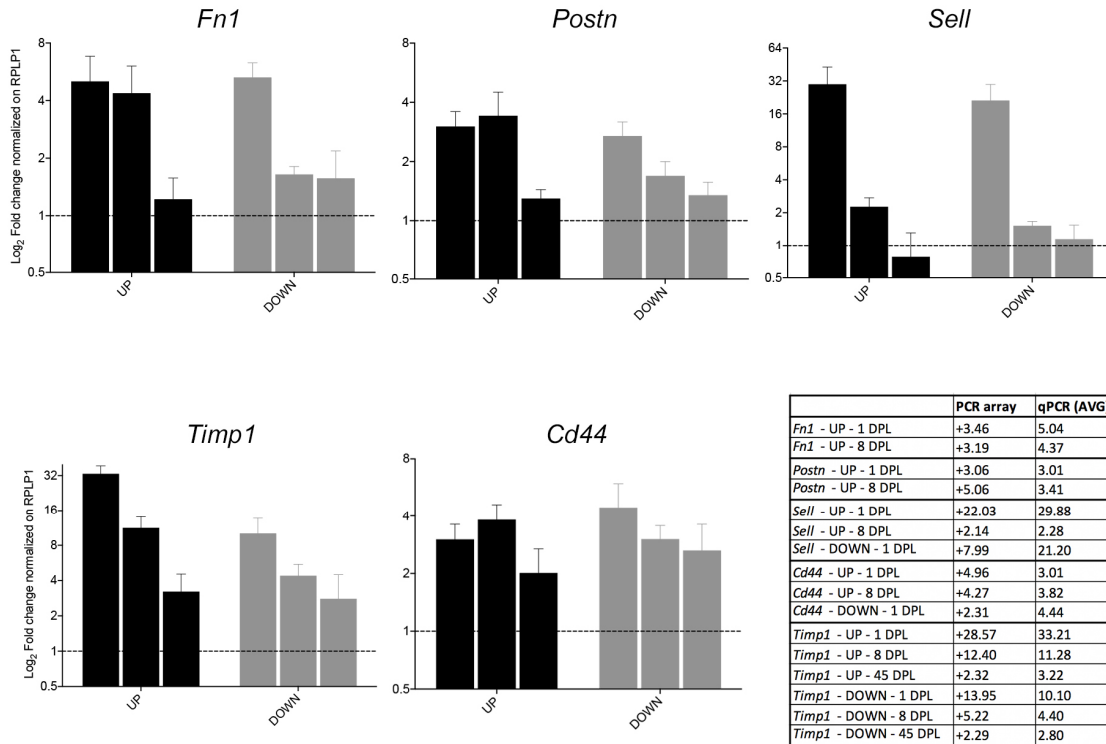
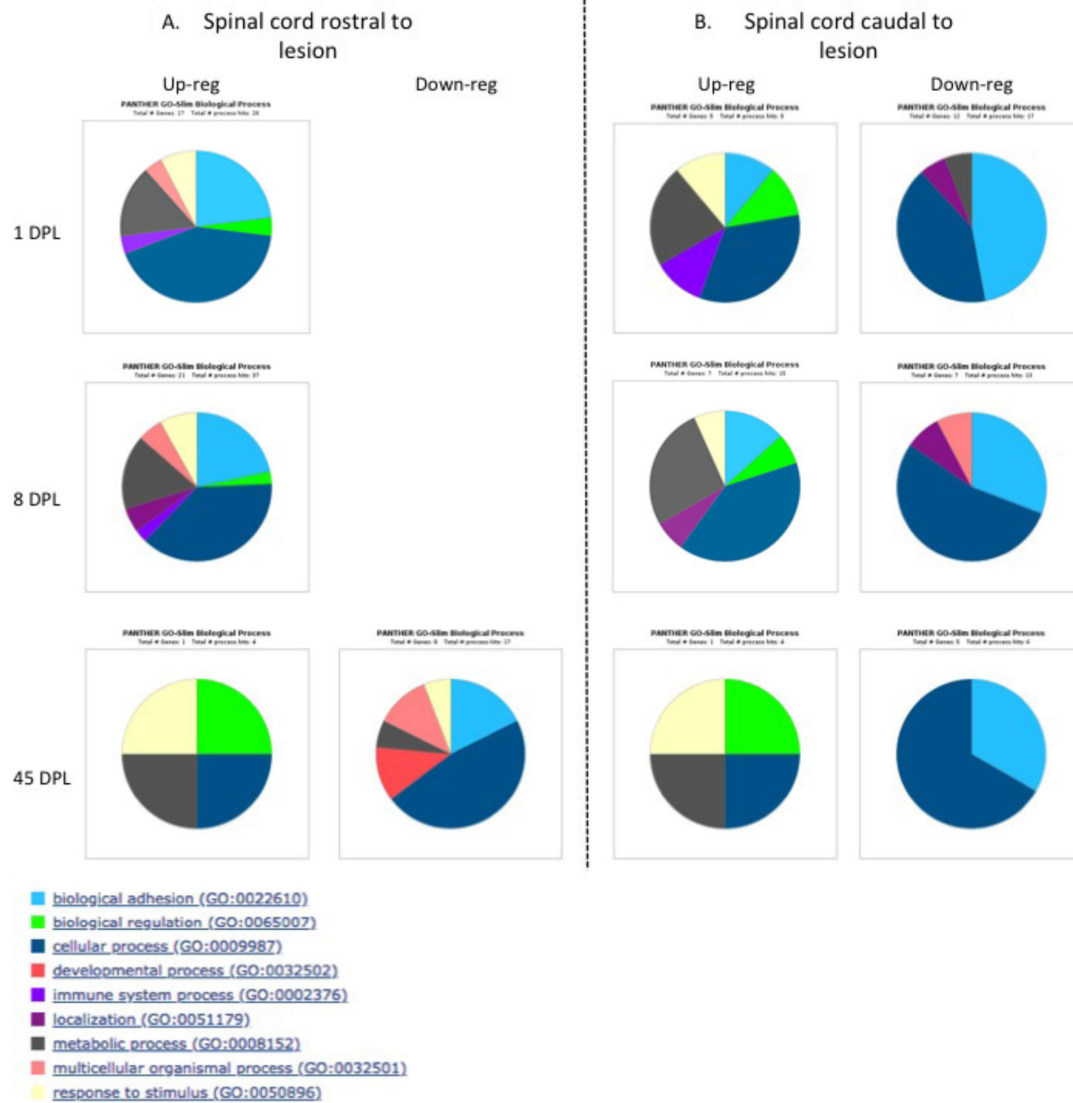




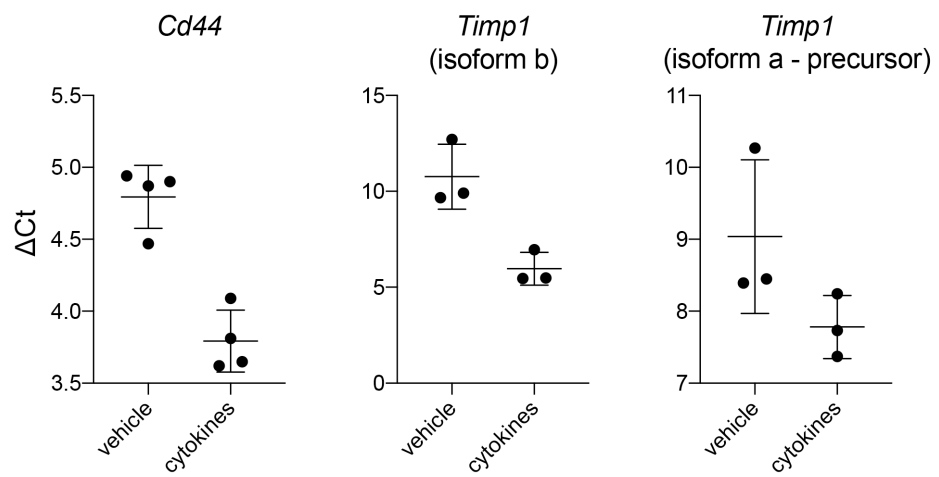
Supplementary Figure S1



Supplementary Figure S2



Supplementary Figure S3



Supplementary Table S1

Gene	Correlation p value (Pearson r)
<i>Cd44</i> (caudal)	0.7085
<i>Cd44</i> (rostral)	0.2032
<i>Fn1</i> (caudal)	0.8380
<i>Fn1</i> (rostral)	0.5819
<i>Postn</i> (caudal)	0.8852
<i>Postn</i> (rostral)	0.8590
<i>Sell</i> (caudal)	0.7691
<i>Sell</i> (rostral)	0.5046
<i>Tnc</i> (caudal)	0.2912
<i>Tnc</i> (rostral)	0.5474
<i>Acan</i> (caudal)	0.5013
<i>Acan</i> (rostral)	0.9927
<i>Tnr</i> (caudal)	0.4781
<i>Tnr</i> (rostral)	0.8055
<i>Cspg4</i> (caudal)	0.7554
<i>Cspg4</i> (rostral)	0.6695
<i>Slit1</i> (caudal)	0.6475
<i>Slit1</i> (rostral)	0.6917
<i>Slit2</i> (caudal)	0.6471
<i>Slit2</i> (rostral)	0.8710