



**Fig. S1. Systemic perfusion pressure (SPP = PBP – CVP) of rats being constricted by boas (*Boa constrictor*).** SPP dropped immediately with onset of constriction and was significantly depressed, relative to baseline, by 3 minutes into constriction ( $87 \pm 3$  mmHg versus  $17 \pm 20$  mm Hg,  $P < 0.05$ ;  $n = 5$ ). Throughout the entire constriction bout the greatest SPP was  $24 \pm 27$  mmHg.  $*P = 0.05$ . Inset: systemic perfusion pressure over time after removing one trail where the snake applied loops of its body around the abdomen of the rat (all post-constriction values were significantly different from baseline;  $*P < 0.0001$ ,  $n = 4$ ).