

<b>Experiment</b>	<b>Used mouse per group</b>	<b>Male and female balance</b>
<b>Immunofluorescence</b> <b>Male 8, Female 8 (n=16)</b> <b>(50% : 50%)</b>	Mid Wt = 4 Mid Tg = 4 Old Wt = 4 Old Tg = 4	Male 2 female 2 (50% : 50%) Male 2 female 2 (50% : 50%) Male 2 female 2 (50% : 50%) Male 2 female 2 (50% : 50%)
<b>Vascular pulsation</b> <b>Male 11, Female 14 (n = 25)</b> <b>(44% : 56%)</b>	Mid Wt = 6 Mid Tg =6 Old Wt = 6 Old Tg = 7	Male 3 female 3 (50% : 50%) Male 2 female 4 (33% : 67%) Male 3 female 3 (50% : 50%) Male 3 female 4 (43% : 57%)
<b>Intraparenchymal injection</b> <b>Male 11, Female 10 (n = 21)</b> <b>(52% :48%)</b>	Mid Wt =5 Mid Tg =5 Old Wt =6 Old Tg = 5	Male 3 female 2 (60% : 40%) Male 3 female 2 (60% : 40%) Male 2 female 4 (33% : 67%) Male 3 female 2 (60% :40%)
<b>Cisterna magna injection</b> <b>Male 18, Female 16 (n = 34)</b> <b>(53% : 47%)</b>	Mid Wt =9 Mid Tg =9 Old Wt =8 Old Tg =8	Male 5 female 4 (56% : 44%) Male 5 female 4 (63% : 37%) Male 4 female 4 (50% : 50%) Male 4 female 4 (50% : 50%)
<b>Total n = 96</b>		Male 48, female 48 (50% :50%)

Additional file 1. Mouse information used in each experiment