

**Table S3. The detailed information of each mouse in each group.**

Group	Before drug		Age when MWM			After MWM	Age when Perfusion			Perfusion
	Birthday	Weight (g)	Days	Weeks	Months	Weight (g)	Days	Weeks	Months	Weight (g)
WT Veh	2010-9-15	30.4	288	41.1	9.3	30.2	447	63.9	14.4	30.8
	2010-10-1	27.9	272	38.9	8.8	28.1	431	61.6	13.9	27.9
	2010-9-15	26.2	288	41.1	9.3	26.2	447	63.9	14.4	26.3
	2010-9-15	27.6	288	41.1	9.3	27.8	447	63.9	14.4	27.8
	2010-9-15	22.4	288	41.1	9.3	22.2	447	63.9	14.4	20.9
	2010-9-26	26.2	277	39.6	8.9	26.8	436	62.3	14.1	27.1
	2010-9-13	24.6	290	41.4	9.4	24.1	449	64.1	14.5	24.4
	2010-9-13	24.0	290	41.4	9.4	24.0	449	64.1	14.5	24.3
	2010-9-26	27.3	277	39.6	8.9	27.5	436	62.3	14.1	27.1
	2010-9-26	26.1	277	39.6	8.9	26.3	436	62.3	14.1	28.0
2010-9-15	28.0	288	41.1	9.3	27.6	447	63.9	14.4	28.6	
Average of WT Veh		26.4	284	40.6	9.2	26.4	443	63.3	14.3	26.7
WT SS	2010-10-1	27.3	272	38.9	8.8	27.2	431	61.6	13.9	27.5
	2010-9-15	28.1	288	41.1	9.3	27.6	447	63.9	14.4	28.3
	2010-9-13	25.9	290	41.4	9.4	26.1	449	64.1	14.5	26.0
	2010-9-15	30.3	288	41.1	9.3	29.7	447	63.9	14.4	31.9
	2010-9-15	26.1	288	41.1	9.3	26.3	447	63.9	14.4	26.9
	2010-9-15	23.9	288	41.1	9.3	24.2	447	63.9	14.4	25.5
	2010-9-26	22.2	277	39.6	8.9	21.9	436	62.3	14.1	21.7
	2010-9-26	24.9	277	39.6	8.9	24.8	436	62.3	14.1	25.0
	2010-9-15	29.0	288	41.1	9.3	28.5	447	63.9	14.4	30.3
	2010-9-15	30.6	288	41.1	9.3	31.8	447	63.9	14.4	32.7
Average of WT SS		26.8	284	40.6	9.2	26.8	443	63.3	14.3	27.6
APP/PS1 Veh	2010-9-15	28.1	288	41.1	9.3	27.4	447	63.9	14.4	29.8
	2010-10-1	24.3	272	38.9	8.8	24.5	431	61.6	13.9	24.2
	2010-10-1	26.6	272	38.9	8.8	26.8	431	61.6	13.9	27.2
	2010-9-15	26.2	288	41.1	9.3	26.4	447	63.9	14.4	26.4
	2010-9-15	31.2	288	41.1	9.3	30.8	447	63.9	14.4	33.0
	2010-9-13	27.5	290	41.4	9.4	27.9	449	64.1	14.5	28.3
	2010-9-15	27.5	288	41.1	9.3	27.9	447	63.9	14.4	26.4
	2010-9-15	29.6	288	41.1	9.3	30.1	447	63.9	14.4	29.8
	2010-9-15	26.8	288	41.1	9.3	27.3	447	63.9	14.4	26.9
	2010-9-26	26.1	277	39.6	8.9	26.0	436	62.3	14.1	26.2
Average of APP/PS1 Veh		27.4	284	40.6	9.2	27.5	443	63.3	14.3	27.8
APP/PS1 SS	2010-9-15	30.3	288	41.1	9.3	30.4	447	63.9	14.4	30.6
	2010-10-1	25.9	272	38.9	8.8	26.1	431	61.6	13.9	25.8
	2010-10-1	29.1	272	38.9	8.8	28.9	431	61.6	13.9	29.1
	2010-10-1	22.5	272	38.9	8.8	22.8	431	61.6	13.9	22.9
	2010-9-13	30.2	290	41.4	9.4	30.8	449	64.1	14.5	30.5
	2010-9-13	25.9	290	41.4	9.4	26.7	449	64.1	14.5	26.2
	2010-9-15	25.2	288	41.1	9.3	25.4	447	63.9	14.4	25.9
	2010-9-15	28.0	288	41.1	9.3	28.1	447	63.9	14.4	28.2
	2010-9-29	27.4	274	39.1	8.8	27.7	433	61.9	14.0	27.5
	Average of APP/PS1 SS		27.2	282	40.2	9.1	27.4	441	62.9	14.2