

Figure S1. Silencing of ATF4 by si-ATF4 transfection in mice. ATF4 mRNA expression levels were significantly decreased following si-ATF4 transfection compared with untransfected or transfection with si-Con. ATF4, activating transcription factor 4; si, small interfering; Con, control.

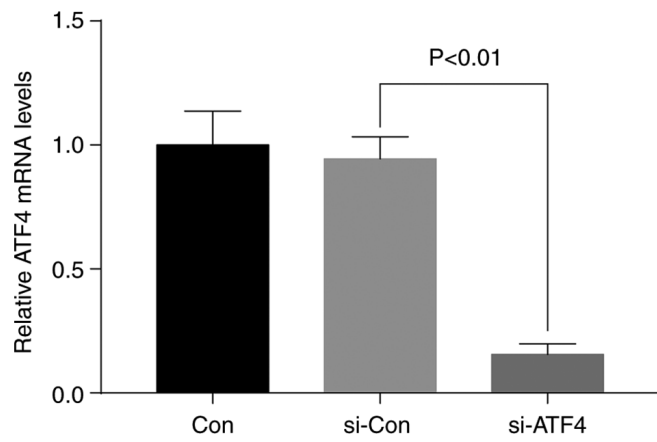


Table SI. Neurological behavior scores.

Test	Behavior	Score
Spontaneous activity	Moved around; explored the environment; approached ≥ 3 walls of the cage	3
	Slightly affected movement; did not approach walls of the cage; hesitant movement; moved to least one upper edge of the cage	2
	Severely affected movement; did not rise up at all; barely moved around the cage	1
	No movement	0
Symmetrical limb movement	All four limbs extended symmetrically	3
	Left limbs extended less or more slowly than right limbs	2
	Left limbs showed minimal movement	1
Forepaw outstretching	No left forelimb movement	0
	Both forepaws outstretched; symmetrical forepaw walking	3
	Left side outstretched less than the right; impaired forepaw walking	2
	Minimal left forepaw movement	1
Climbing	No left forepaw movement	0
	Climbed easily; gripped wire tightly	3
	Climbing impaired on the left side or looser grip on wire compared with right side	2
Proprioception	Failed to climb or tended to circle	1
	Turned head; equally startled by stimulus on both sides	3
	Reacted slowly to stimulus on the left side	2
Response to vibrissae touch	Did not react to stimulus on the left side	1
	Turned head; equally startled by stimulus on both sides	3
	Reacted slowly to stimulus on the left side	2
	Did not react to stimulus on the left side	1