



**Supplemental Figure S1. Correlation between the Serpin A3K expression levels with single TBI and the radiation dose.** A weak dose-dependent correlation was observed when the expression of serine protease inhibitor A3K (Serpin A3K) in non-TBI and TBI mice were compared. Linear ( $r=0.42$ ,  $p=0.0176$ ), polynormal (n.s.).