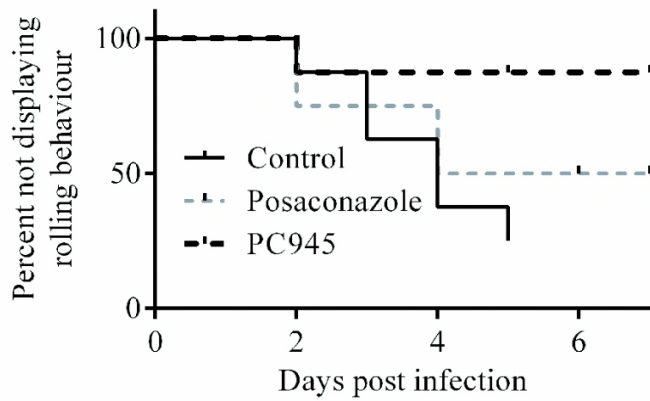


**Supplementary Figure 1. Azole binding saturation curves for *A. fumigatus* CYP51A and CYP51B.**

Saturation curves were constructed from the absorbance difference  $\Delta A_{\text{peak-trough}}$  of the type II difference spectra (Fig. 1B) for posaconazole (●) and PC945 (○). Each experiment was performed four times and PC945 binding to AfCYP51B six times, although only one replicate is shown.



**Supplementary Figure 2. Effect of once daily intranasal treatment of PC945 (14 µg/mouse) and posaconazole (14 µg/mouse) on *A. fumigatus* infection induced rolling behaviour in *A. fumigatus* infected immunocompromised mice**

Y axis shows percentage of mice without displaying rolling behaviour. Some mice died or dropped out before displaying rolling behaviour.