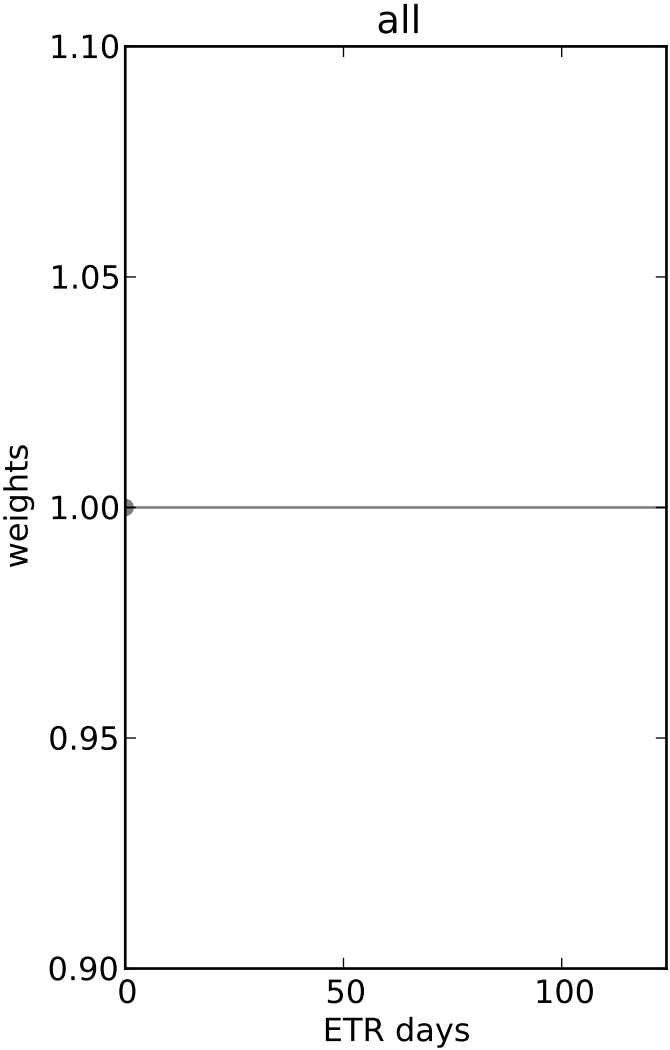weights Ikuhisa_Minowa