



**Figure S5** The effect of lethal insertions in Ndc80 on predicted coiled-coil formation. The probabilities of coiled-coil formation, as predicted by Paircoil2 (McDONNELL *et al.* 2006), for Ndc80 containing the representative lethal insertions studied (black lines). Vertical red lines denote the positions of the representative insertions. The probabilities of coiled-coil formation for additional lethal insertions are also shown (blue and green dotted lines).