



**Fig. S2. Cartoon representations of the homology models of *NbXIP1;1α*wt and *NbXIP1;1α* mutants.** The pores in the models are shown in mesh representation from blue (widest) to red (narrowest). The HOLE program [36] was used to estimate the radius of the pore in the models. Starting from the top left to the bottom right; *NbXIP1;1α*wt, *NbXIP1;1α*L79G/I102H/V242I (mutant 1), *NbXIP1;1α*L79G/I102H/T246I (mutant 2), *NbXIP1;1α*L79G (mutant 3), *NbXIP1;1α*I102H (mutant 4), *NbXIP1;1α*V242I (mutant 5), *NbXIP1;1α*L79G/I102H (mutant 6), *NbXIP1;1α*I102H/V242I (mutant 7) and *NbXIP1;1α*L79G/V242I (mutant 8), respectively. See also Fig. 7.